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ABSTRACT

Presented are results of a survey which collected statistics for 1973-74 library operations in the 82 Association of Research Libraries (ARL) academic library members. Data tables cover the following categories: (1) collections; (2) interlibrary loans; (3) expenditures; (4) personnel; (5) microform holdings; and (6) rank orderings for each of these categories. (EMH)

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# ACADEMIC LIBRARY STATISTICS

## 1973-1974

### A COMPILATION OF STATISTICS FROM THE EIGHTY-TWO UNIVERSITY LIBRARY MEMBERS OF THE ASSOCIATION OF RESEARCH LIBRARIES

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Association of Research Libraries
1527 New Hampshire Avenue, N.W.
Washington, D. C., 20036

1974

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IR 001 001

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## INTRODUCTION

The publication in 1973 of the book Economics of Academic Libraries by William Baumol and Matityahu Marcus has stimulated interest in a number of projects involving the analysis of statistical data for those involved in the administration of research libraries. While further study is needed of the applicability today of the statistical models presented, the authors have effectively demonstrated the potential implications for library planning of such factors as growth rates and cost trends, and the use of regression in the analysis of key variables affecting library operations.

In order to facilitate the use of ARL statistics in future statistical analyses, in 1975 the ARL will put in machine-readable form all data published in Academic Library Statistics since 1969, the cut-off date for the Baumol and Marcus study. Provision will be made for manipulating the data in a number of ways, including the computation of percentage changes in selected categories, growth rates, analyses of special groups of libraries, and comparisons of data for selected institutions. With these added capabilities, in future years Academic Library Statistics will be expanded to include, in addition to the basic data and rank order information, historical data and special tables providing some of the analyses referred to above.

Regarding the information included this year, only a few new features have been introduced: 1) interlibrary loan statistics: a number of institutions were not able to provide complete figures for their interlibrary loan activities. This is an important area about which accurate data is needed; we are hopeful that improved methods of obtaining these figures will be developed by the reporting libraries; 2) rank order tables: because in a number of cases there is a relatively insignificant difference between two institutions (which are nevertheless given two different rankings), it was decided that a "coarser" ranking of institution was desirable. Therefore, in addition to the individual rankings, institutions are clustered into groups according to ranges. The number of libraries within each group is then presented graphically to illustrate the distribution of libraries among the groups, 3) medians since 1969 for all categories are listed at the end of the table on pages 10-11. Note that since last year there has been a decrease in the medians for volumes added gross (5.6%), total staff (1%), Ph.D fields (6.4%) and degrees awarded (2.9%).

It is recognized that there can be many interpretations of the figures presented, depending upon variations in reporting the data, local circumstances, the influence of other variables not considered here, etc. With the added capabilities made possible by computerizing the data next year, we shall continue to try to refine our reporting and analysis to provide useful statistical information regarding the ARL academic libraries.

Suzanne O. Frankie
Assistant Executive Director

December 1, 1974

Guide to Library Code Numbers
for
ARL Academic Library Members

The institutions listed below are the 82 ARL academic library members, all of whom participated in this survey. Each library has been assigned a code number which has been used on the charts on pages 4-11 in place of the names of the institutions. (See columns labelled "Library Code No." to the left of column 1 and to the right of column 23).

1. Alabama
2. Alberta
3. Arizona
4. Arizona State
5. Boston
6. Brigham Young
7. British Columbia
8. Brown
9. California, Berkeley
10. California, Davis
11. California, Los Angeles
12. California, San Diego
13. California, Santa Barbara
14. Case Western Reserve
15. Chicago
16. Cincinnati
17. Colorado
18. Columbia
19. Connecticut
20. Cornell
21. Dartmouth
22. Duke
23. Florida
24. Florida State
25. Georgetown
26. Georgia
27. Harvard
28. Howard
29. Illinois
30. Indiana
31. Iowa
32. Iowa State
33. Johns Hopkins
34. Joint University
35. Kansas
36. Kent State
37. Kentucky
38. Louisiana State
39. McGill
40. Maryland
41. MIT
42. Massachusetts
43. Michigan
44. Michigan State
45. Minnesota
46. Missouri
47. Nebraska
48. New York
49. North Carolina
50. Northwestern
51. Notre Dame
52. Ohio State
53. Oklahoma
54. Oklahoma State
55. Oregon
56. Pennsylvania
57. Pennsylvania State
58. Pittsburgh
59. Princeton
60. Purdue
61. Rice
62. Rochester
63. Rutgers
64. Southern California
65. Southern Illinois
66. Stanford
67. SUNY- Buffalo
68. Syracuse
69. Temple
70. Tennessee
71. Texas
72. Texas A & M
73. Toronto
74. Tulane
75. Utah
76. Virginia
77. Washington, Seattle
78. Washington State
79. Washington U., St. Louis
80. Wayne State
81. Wisconsin
82. Yale

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Loaned | | | Borrowed | | |
| LIBRARY CODE NO. | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (Net) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT PERIODICALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1. | 1,013,459 | 33,107 | 31,916 | 342,675 | 10,919 | 2,488 | 1,490 | 3,978 | 1,883 | 509 | 2,392 |
| 2. | 1,519,381 | 106,444 | 106,444 | 872,980 | 16,634 | 2,185 | 3,519 | 5,704 | 1,910 | 2,868 | 4,778 |
| 3. | 1,578,833 | 69,367 | 67,506 | 726,792 | 17,502 | 2,931 | 3,083 | 6,014 | 1,461 | 1,045 | 2,506 |
| 4. | 925,663 | 46,69[illegible] | 43,962 | 600,734 | 10,989 | 1,593 | 1,526 | 3,119 | 1,975 | 1,868 | 3,843 |
| 5.+ | 1,082,341 | 70,985 | 65,743 | 588,496 | 19,166 | 1,714 | 558 | 2,272 | 2,313 | 320 | 2,633 |
| 6. | 1,193,148 | 74,489 | 73,742 | 407,934 | 19,215 | 2,021 | 1,048 | 3,069 | 1,409 | 1,499 | 2,908 |
| 7.+ | 1,610,354 | 97,939 | 94,807 | 1,594,855 | 18,668 | 8,798 | 12,781 | 21,579 | 3,086 | 3,241 | 6,327 |
| 8. | 1,501,050 | 35,828 | 34,472 | 227,992 | 13,800 | 1,939 | 2,578 | 4,517 | 1,343 | 523 | 1,866 |
| 9. | 4,476,759 | 174,820 | 158,545 | 837,842 | 96,000 | 13,725 | 11,891 | 25,616 | 3,365 | 1,784 | 5,149 |
| 10. | 1,157,447 | 83,634 | 79,642 | 940,125 | 33,667 | 1,634 | 4,104 | 5,738 | 3,594 | 2,196 | 5,790 |
| 11. | 3,395,178 | 116,542 | 111,969 | 1,146,741 | 49,944 | 13,863 | 43,782 | 57,645 | 4,489 | 1,867 | 6,356 |
| 12. | 1,040,831 | 67,310 | 63,258 | 370,385 | 22,202 | 2,091 | 6,820 | 8,911 | 1,817 | 2,348 | 4,165 |
| 13. | 1,076,816 | 75,165 | 70,522 | 596,701 | 17,386 | 880 | 748 | 1,628 | 3,043 | 3,344 | 6,387 |
| 14.+* | 1,556,429 | 35,105 | 32,549 | 216,677 | 12,157 | 1,607 | 16,805 | 18,412 | 1,975 | 1,994 | 3,969 |
| 15.+* | 3,485,140 | 166,813 | 150,988 | 382,980 | 41,751 | 5,117 | N/A | 5,117 | 1,155 | 173 | 1,328 |
| 16.+* | 1,531,982 | 60,922 | 60,206 | 500,140 | 15,120 | 3,629 | 4,189 | 7,818 | 2,351 | 2,492 | 4,843 |
| 17.+ | 1,809,742 | 116,828 | 103,888 | 1,222,105 | 25,346 | 4,714 | 12,185 | 16,899 | 2,750 | 4,864 | 7,614 |
| 18.+ | 4,572,676 | 117,795 | 98,723 | 1,212,706 | 59,477 | 9,474 | 2,535 | 12,009 | N/A | N/A | 2,646 |
| 19.+ | 1,310,827 | 79,686 | 75,325 | 718,419 | 22,921 | 4,730 | 9,678 | 14,408 | 2,938 | 5,043 | 7,981 |
| 20.+ | 4,158,006 | 127,274 | 115,466 | 1,260,769 | 51,726 | 10,087 | 13,663 | 23,750 | 3,197 | 2,970 | 6,167 |
| 21.+ | 1,136,375 | 35,675 | 32,788 | 418,811 | 16,926 | 2,541 | 3,433 | 5,974 | 860 | 1,022 | 1,882 |
| 22.+ | 2,530,124 | 95,236 | 91,162 | 241,564 | 30,895 | 9,939 | 5,155 | 15,094 | 2,138 | 626 | 2,764 |
| 23. | 1,705,480 | 75,421 | 72,528 | 741,412 | 20,165 | 2,511 | 15,775 | 18,286 | 2,658 | 6,911 | 9,569 |
| 24.+ | 1,083,736 | 70,875 | 66,455 | 1,086,076 | 12,367 | 3,651 | 1,599 | 5,250 | 2,281 | 577 | 2,858 |
| | | | | | | | | | | | |

** Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| EXPENDITURES | | | | | | PERSONNEL | | | | Ph.D.'s | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY MATERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF FTE | NON-PROF. STAFF FTE | TOTAL STAFF FTE | STUDENT ASSTS. FTE | Ph.D.'s AWARDED | Ph.D. FIELDS | LIBRARY NO. |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 512,296 | 30,212 | 542,508 | 834,404 | 121,593 | 1,498,505 | 39 | 59 | 98 | 45 | 131 | 37 | 1. |
| 1,375,200 | 148,000 | 1,523,200 | 2,777,100 | 340,981 | 4,641,281 | 80 | 274 | 354 | 41 | 198 | 37 | 2. |
| 1,125,367 | 84,983 | 1,210,350 | 1,414,863 | 102,294 | 2,727,507 | 58 | 105 | 163 | 32 | 219 | 71 | 3. |
| 850,055 | 32,302 | 882,357 | 1,349,860 | 94,586 | 2,326,803 | 45 | 133 | 178 | 36 | 124 | 25 | 4. |
| 886,842 | 60,721 | 947,563 | 1,572,074 | 236,399 | 2,756,036 | 68 | 121 | 189 | 29 | 227 | 44 | 5. |
| N/A | N/A | N/A | N/A | N/A | N/A | 56 | 31 | 87 | 120 | 167 | 47 | 6. |
| 1,348,775 | 165,081 | 1,513,856 | 3,522,626 | 373,302 | 5,409,784 | 98 | 314 | 412 | 68 | 78 | 33 | 7. |
| 602,053 | 53,313 | 655,366 | 1,352,805 | 136,835 | 2,145,006 | 60 | 99 | 159 | 70 | 162 | 26 | 8. |
| 1,897,960 | 282,512 | 2,180,472 | 5,399,584 | 393,119 | 7,973,177 | 163 | 287 | 450 | 85 | 769 | 89 | 9. |
| 1,440,728 | 211,872 | 1,652,600 | 2,480,852 | 228,081 | 4,361,533 | 56 | 159 | 215 | 66 | 229 | 43 | 10. |
| 1,756,261 | 302,722 | 2,058,983 | 5,358,418 | 838,040 | 8,255,441 | 150 | 267 | 417 | 166 | 532 | 59 | 11. |
| 1,056,002 | 150,512 | 1,206,514 | 1,936,059 | 274,441 | 3,417,014 | 45 | 130 | 175 | 34 | 110 | 29 | 12. |
| 987,402 | 119,728 | 1,107,130 | 2,277,775 | 206,005 | 3,590,910 | 59 | 137 | 196 | 65 | 116 | 27 | 13. |
| 445,902 | 133,559 | 579,461 | 1,338,017 | 158,564 | 2,076,042 | 62 | 77 | 139 | 35 | 217 | 44 | 14. |
| 1,062,421 | 176,639 | 1,239,060 | 2,680,457 | 313,547 | 4,233,064 | 72 | 182 | 254 | 66 | 462 | 72 | 15. |
| 781,557 | 62,547 | 844,104 | 1,483,015 | 230,319 | 2,557,438 | 42 | 108 | 150 | 50 | 154 | 40 | 16. |
| 1,157,069 | 85,042 | 1,242,111 | 1,865,171 | 139,423 | 3,246,705 | 59 | 137 | 196 | 43 | 253 | 51 | 17. |
| 1,315,545 | 136,536 | 1,452,081 | 4,410,485 | 329,982 | 6,192,548 | 138 | 304 | 442 | 86 | 427 | 37 | 18. |
| 1,265,561 | 74,462 | 1,340,023 | 1,567,819 | 178,528 | 3,086,370 | 58 | 74 | 132 | 63 | 191 | 62 | 19. |
| 1,940,354 | 177,174 | 2,117,528 | 3,810,476 | 572,238 | 6,500,242 | 134 | 283 | 417 | 47 | 498 | 88 | 20. |
| 736,466 | 40,703 | 777,169 | 975,045 | 227,763 | 1,979,977 | 36 | 86 | 122 | 16 | 22 | 9 | 21. |
| 1,073,782 | 117,215 | 1,190,997 | 2,069,703 | 207,300 | 3,468,000 | 82 | 147 | 229 | 37 | 207 | 27 | 22. |
| 1,155,875 | 101,194 | 1,257,069 | 2,085,120 | 296,735 | 3,638,924 | 80 | 133 | 213 | 61 | 224 | 53 | 23. |
| 1,107,553 | 72,885 | 1,180,438 | 1,416,869 | 230,173 | 2,827,480 | 58 | 96 | 154 | 50 | 316 | 45 | 24. |
| | | | | | | | | | | | | |

** Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Loaned | | | Borrowed | | |
| LIBRARY CODE NO. | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (Net) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT PERIODICALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25. | 814,284 | 49,430 | 46,978 | 370,943 | 14,730 | 2,289 | 810 | 3,099 | 1,238 | 443 | 1,681 |
| 26.* | 1,435,547 | 108,355 | 108,355 | 893,306 | 24,411 | 6,007 | 4,857 | 10,864 | 2,582 | 2,007 | 4,589 |
| 27.+ | 9,028,385 | 297,283 | 168,907 | 1,117,149 | 100,000 | 19,159 | 44,986 | 64,145 | 2,500 | 5,000 | 7,500 |
| 28.+ | 805,489 | 47,072 | 40,055 | 472,902 | 7,719 | 1,990 | 339 | 2,329 | 1,255 | N/A | 1,255 |
| 29.+ | 5,328,375 | 181,399 | 168,965 | 1,085,156 | 96,789 | 35,876 | 380,361 | 425,591 | 1,655 | 890 | 6,875 |
| 30.+ | 3,665,076 | 206,910 | 198,724 | 730,475 | 33,392 | 13,251 | 16,330 | 29,581 | 5,838 | 5,605 | 11,443 |
| 31. | 1,812,942 | 71,015 | 65,537 | 795,866 | 22,800 | 3,618 | 3,454 | 7,072 | 3,413 | 2,426 | 5,839 |
| 32.$ | 1,008,643 | 68,699 | 62,543 | 577,268 | 15,087 | 3,611 | 8,691 | 12,302 | 1,203 | 2,183 | 3,386 |
| 33.+ | 2,006,145 | 43,020 | 39,851 | 740,035 | 17,663 | 3,203 | 4,112 | 7,315 | 2,304 | 1,926 | 4,230 |
| 34. | 1,259,447 | 51,632 | 39,325 | 678,254 | 7,631 | 1,555 | 3,737 | 5,292 | 1,286 | 1,398 | 2,684 |
| 35.+$ | 1,745,755 | 62,854 | 61,448 | 488,005 | 24,240 | 10,149 | 8,820 | 18,969 | 3,641 | 4,193 | 7,834 |
| 36. | 1,024,234 | 80,770 | 78,346 | 378,504 | 18,650 | 1,253 | 389 | 1,642 | 3,449 | 2,683 | 6,132 |
| 37.+ | 1,344,358 | 68,392 | 63,786 | 1,185,948 | 33,023 | N/A | N/A | 16,287 | N/A | N/A | 3,181 |
| 38.+ | 1,482,486 | 52,328 | 50,593 | 360,171 | 15,901 | 4,273 | 1,758 | 6,031 | 3,126 | 1,142 | 4,268 |
| 39.+ | 1,609,997 | 74,198 | 68,466 | 225,501 | 16,775 | 17,970 | 17,567 | 35,537 | 4,881 | 2,123 | 7,004 |
| 40.+ | 1,647,931 | 132,067 | 125,809 | 860,422 | 22,236 | 7,284 | 3,020 | 10,304 | 1,163 | 2,315 | 3,478 |
| 41.+ | 1,289,395 | 92,170 | 88,455 | 330,803 | 16,222 | 2,532 | 2,669 | 5,201 | 2,553 | 1,074 | 3,627 |
| 42. | 1,527,594 | 75,384 | 59,034 | 466,762 | 18,020 | 2,735 | 7,441 | 10,176 | 1,557 | 1,056 | 2,613 |
| 43.+ | 4,548,527 | 139,669 | 104,775 | 952,627 | 46,236 | 5,851 | 21,280 | 27,131 | 4,946 | 1,366 | 6,312 |
| 44. | 2,082,617 | 110,595 | 100,641 | 571,214 | 27,774 | 3,181 | 8,301 | 11,482 | 2,192 | 2,361 | 4,553 |
| 45.+ | 3,479,139 | 135,669 | 118,495 | 840,681 | 29,087 | N/A | N/A | 119,648 | N/A | N/A | 12,155 |
| 46. | 1,749,181 | 53,000 | 48,820 | 1,446,720 | 21,600 | 5,890 | 4,470 | 10,360 | 1,700 | 1,110 | 2,810 |
| 47.+ | 1,160,271 | 52,413 | 50,346 | 360,970 | 18,823 | 1,337 | 1,470 | 2,807 | 904 | 760 | 1,664 |
| 48.+* | 2,391,450 | 85,470 | 81,702 | 941,997 | 14,774 | 220 | N/A | 220 | 530 | N/A | 530 |

** Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| EXPENDITURES | | | | | | PERSONNEL | | | | Ph.D.'s | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY MATERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF FTE | NON-PROF. STAFF FTE | TOTAL STAFF FTE | STUDENT ASSTS. FTE | Ph.D.'s AWARDED | Ph.D. FIELDS | LIBRARY NO. |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 737,206 | 57,853 | 795,059 | 1,078,708 | 150,599 | 2,024,366 | 40 | 66 | 106 | 53 | 75 | 28 | 25. |
| 1,603,865 | 172,975 | 1,776,840 | 1,772,635 | 317,514 | 3,866,989 | 73 | 157 | 230 | 34 | 201 | 41 | 26. |
| 2,462,802 | 307,218 | 2,770,020 | 6,601,698 | 1,192,456 | 10,564,174 | 218 | 548 | 766 | 91 | 471 | 41 | 27. |
| 436,710 | 30,792 | 467,502 | 1,535,410 | 340,997 | 2,343,909 | 53 | 76 | 129 | 37 | 39 | 18 | 28. |
| 2,157,854 | 217,642 | 2,375,496 | 4,268,133 | 521,122 | 7,164,751 | 189 | 271 | 460 | 110 | 770 | 79 | 29. |
| 1,781,695 | 263,676 | 2,045,371 | 3,931,913 | 554,754 | 6,532,038 | 167 | 241 | 408 | 196 | 609 | 110 | 30. |
| 998,676 | 90,889 | 1,089,565 | 1,857,309 | 85,833 | 3,032,707 | 72 | 102 | 174 | 51 | 311 | 56 | 31. |
| 910,310 | 100,069 | 1,010,379 | 1,508,114 | 162,940 | 2,681,433 | 46 | 100 | 146 | 50 | 199 | 73 | 32. |
| 898,588 | 76,121 | 974,709 | 1,597,530 | 355,133 | 2,927,372 | 58 | 132 | 190 | 24 | 198 | 32 | 33. |
| 701,109 | 68,157 | 769,266 | 1,006,775 | 623,087 | 2,399,128 | 52 | 90 | 142 | 36 | 166 | 41 | 34. |
| 892,868 | 67,651 | 960,519 | 1,598,010 | 263,164 | 2,821,693 | 59 | 107 | 166 | 34 | 128 | 33 | 35. |
| 448,772 | 44,696 | 493,468 | 1,091,514 | 169,343 | 1,754,325 | 35 | 79 | 114 | 20 | 128 | 14 | 36. |
| 952,431 | 79,877 | 1,032,308 | 1,554,385 | 235,042 | 2,821,735 | 68 | 113 | 181 | 51 | 118 | 43 | 37. |
| 896,965 | 77,569 | 974,534 | 1,163,092 | 40,129 | 2,177,755 | 49 | 63 | 112 | 44 | 206 | 56 | 38. |
| 1,135,147 | 89,744 | 1,224,891 | 2,948,816 | 138,383 | 4,312,090 | 93 | 250 | 343 | 30 | 159 | 53 | 39. |
| 1,965,509 | 134,004 | 2,099,513 | 3,200,775 | 435,720 | 5,735,508 | 116 | 214 | 330 | 92 | 343 | 74 | 40. |
| 897,251 | 49,596 | 946,847 | 1,805,070 | 159,453 | 2,911,370 | 62 | 120 | 182 | 55 | 327 | 46 | 41. |
| 715,562 | 54,228 | 769,790 | 1,567,861 | 196,123 | 2,533,774 | 59 | 147 | 206 | 25 | 328 | 22 | 42. |
| 1,618,671 | 167,903 | 1,786,574 | 4,727,959 | 459,138 | 6,973,671 | 158 | 317 | 475 | 135 | 743 | 107 | 43. |
| 1,182,172 | 90,037 | 1,272,209 | 2,176,310 | 221,965 | 3,670,484 | 72 | 119 | 191 | 97 | 565 | 61 | 44. |
| 1,681,805 | 141,648 | 1,823,453 | 4,458,496 | 758,204 | 7,040,153 | 168 | 195 | 363 | 217 | 575 | 88 | 45. |
| 1,079,070 | 93,920 | 1,172,990 | 1,335,390 | 228,090 | 2,736,470 | 50 | 102 | 152 | 40 | 266 | 55 | 46. |
| 761,206 | 56,314 | 817,520 | 1,261,695 | 96,166 | 2,175,381 | 52 | 94 | 146 | 48 | 233 | 42 | 47. |
| 1,069,000 | 129,100 | 1,198,100 | 3,589,747 | 146,948 | 4,934,795 | 83 | 262 | 345 | 81 | 545 | 116 | 48. |

** Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Loaned | | | Borrowed | | |
| LIBRARY CODE NO. | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (Net) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT PERIODICALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 49. | 2,043,670 | 88,974 | 84,729 | 949,922 | 23,283 | 13,870 | 8,801 | 22,671 | 3,194 | N/A | 3,194 |
| 50.+ | 2,349,369 | 78,690 | 68,885 | 490,349 | 26,050 | 2,267 | 1,660 | 3,927 | 1,870 | 522 | 2,392 |
| 51.+ | 1,191,175 | 32,132 | 28,753 | 359,864 | 16,615 | 332 | 852 | 1,184 | 792 | 723 | 1,515 |
| 52.+* | 2,911,839 | 141,953 | 124,707 | 927,735 | 24,237 | N/A | N/A | 29,225 | N/A | N/A | 4,540 |
| 53.+ | 1,243,460 | 43,365 | 39,184 | 643,345 | 10,498 | N/A | N/A | 3,923 | N/A | N/A | 3,882 |
| 54. | 1,121,660 | 34,409 | 30,480 | 594,591 | 11,757 | 1,918 | 1,910 | 3,828 | 875 | 1,225 | 2,100 |
| 55.+ | 1,223,628 | 46,926 | 44,750 | 471,281 | 18,874 | 3,718 | 1,179 | 4,897 | 1,262 | 1,090 | 2,352 |
| 56. | 2,557,046 | 97,014 | 84,312 | 967,287 | 39,565 | 8,436 | 5,700 | 14,136 | 4,241 | 3,201 | 7,442 |
| 57.+ | 1,744,577 | 109,135 | 99,526 | 1,385,196 | 31,460 | 9,350 | 7,114 | 16,464 | 2,823 | 2,606 | 5,429 |
| 58.+ | 1,880,753 | 118,075 | 105,326 | 699,441 | 20,221 | 9,856 | 1,290 | 11,146 | 3,397 | 413 | 3,810 |
| 59.+ | 2,615,317 | 103,510 | 96,925 | 838,507 | 30,809 | 6,314 | 5,175 | 11,489 | 2,117 | 526 | 2,643 |
| 60.+ | 1,085,100 | 42,919 | 37,766 | 593,317 | 18,886 | 2,429 | 7,748 | 10,173 | 2,515 | 1,207 | 3,722 |
| 61.+ | 840,792 | 40,082 | 36,826 | 860,018 | 8,801 | 3,439 | 6,612 | 10,051 | 697 | 513 | 1,210 |
| 62.+ | 1,361,715 | 59,073 | 57,092 | 1,139,383 | 13,964 | 4,891 | 12,446 | 17,337 | 2,891 | 2,495 | 5,386 |
| 63.+ | 1,736,978 | 95,425 | 75,488 | 897,377 | 19,290 | 5,499 | 29,392 | 34,891 | N/A | N/A | 3,634 |
| 64.+ | 1,619,002 | 49,133 | 42,567 | 796,293 | 32,728 | N/A | N/A | 4,285 | N/A | N/A | 1,660 |
| 65.+* | 1,740,853 | 111,923 | 107,457 | N/A | 20,306 | 8,361 | 4,329 | 12,690 | 1,403 | 1,215 | 2,618 |
| 66.$ | 3,982,009 | 177,926 | 129,767 | 1,184,226 | 49,031 | 11,791 | 29,339 | 41,130 | 3,042 | N/A | 3,042 |
| 67.* | 1,482,907 | 108,444 | 108,200 | 945,631 | 14,162 | N/A | N/A | 25,518 | N/A | N/A | 10,890 |
| 68.+ | 1,505,056 | 83,525 | 37,900 | 1,397,151 | 17,499 | 1,019 | 12,478 | 13,497 | 1,423 | 6,976 | 8,399 |
| 69.+ | 1,165,884 | 74,330 | 58,185 | 394,701 | 13,028 | 2,515 | 4,401 | 7,016 | 1,267 | 2,192 | 3,459 |
| 70. | 1,173,886 | 53,820 | 48,551 | 579,860 | 20,691 | 6,399 | 4,291 | 10,690 | 1,378 | 1,588 | 2,966 |
| 71.+ | 3,518,690 | 196,538 | 187,819 | 737,036 | 40,800 | 9,802 | 5,487 | 15,289 | 2,365 | 1,223 | 3,588 |
| 72. | 858,804 | 44,701 | 43,868 | 656,104 | 14,660 | 1,182 | 8,971 | 10,153 | 4,790 | 2,515 | 7,305 |
| | | | | | | | | | | | |

* *Bibliographic Count* *N.A. Not Available* $ *Fringe Benefits Included in Salaries and Wages* + *See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| EXPENDITURES | | | | | | PERSONNEL | | | | Ph.D.'s | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY MATERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF FTE | NON-PROF. STAFF FTE | TOTAL STAFF FTE | STUDENT ASSTS. FTE | Ph.D.'s AWARDED | Ph.D. FIELDS | LIBRARY NO. |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1,073,839 | 119,945 | 1,193,784 | 2,225,144 | 206,677 | 3,625,605 | 83 | 147 | 230 | 46 | 332 | 50 | 49. |
| 1,320,595 | 107,148 | 1,427,743 | 2,475,428 | 385,230 | 4,288,401 | 100 | 144 | 244 | 70 | 428 | 55 | 50. |
| 548,684 | 30,822 | 579,506 | 976,604 | 164,369 | 1,720,479 | 37 | 84 | 121 | 99 | 142 | 20 | 51. |
| 1,398,284 | 70,704 | 1,468,988 | 2,717,652 | 682,208 | 4,868,848 | 87 | 189 | 276 | 105 | 653 | 80 | 52. |
| 584,491 | 53,411 | 637,902 | 1,005,258 | 120,489 | 1,763,649 | 41 | 80 | 121 | 36 | 218 | 37 | 53. |
| 449,983 | 63,442 | 513,425 | 677,109 | 111,667 | 1,302,201 | 30 | 50 | 80 | 42 | 128 | 34 | 54. |
| 639,818 | 45,828 | 685,646 | 1,313,558 | 126,997 | 2,126,201 | 49 | 82 | 131 | 48 | 254 | 36 | 55. |
| 1,165,822 | 162,406 | 1,328,228 | 2,951,400 | 429,427 | 4,709,055 | 98 | 185 | 283 | 59 | 379 | 67 | 56. |
| 1,927,717 | 90,707 | 2,018,424 | 3,377,897 | 358,392 | 5,754,713 | 110 | 305 | 415 | 45 | 308 | 76 | 57. |
| 1,105,691 | 75,992 | 1,181,683 | 2,525,937 | 283,041 | 3,990,661 | 141 | 144 | 285 | 81 | 411 | 93 | 58. |
| 1,550,358 | 83,286 | 1,633,644 | 2,305,894 | 245,870 | 4,185,408 | 85 | 209 | 294 | 39 | 259 | 35 | 59. |
| 953,806 | 83,843 | 1,037,649 | 1,530,984 | 98,983 | 2,667,616 | 41 | 151 | 192 | 27 | 456 | 54 | 60. |
| 510,566 | 34,541 | 545,107 | 685,839 | 102,873 | 1,333,819 | 28 | 60 | 88 | 12 | 107 | 23 | 61. |
| 862,835 | 77,185 | 940,020 | 1,617,999 | 224,437 | 2,782,456 | 60 | 110 | 170 | 35 | 201 | 36 | 62. |
| 2,131,720 | 141,700 | 2,273,420 | 2,918,986 | 288,797 | 5,481,203 | 101 | 206 | 307 | 64 | 222 | 53 | 63. |
| 893,399 | 63,904 | 957,303 | 1,951,110 | 251,662 | 3,160,075 | 74 | 126 | 200 | 76 | 361 | 47 | 64. |
| 977,939 | 72,500 | 1,050,439 | 1,530,421 | 178,515 | 2,759,375 | 60 | 69 | 129 | 87 | 192 | 20 | 65. |
| 1,894,211 | 287,646 | 2,181,857 | 4,960,434 | 905,785 | 8,048,076 | 146 | 266 | 412 | 70 | 510 | 61 | 66. |
| 943,351 | 100,206 | 1,043,557 | 2,260,639 | 374,805 | 3,679,001 | 103 | 155 | 258 | 39 | 300 | 55 | 67. |
| 687,783 | 69,966 | 757,749 | 1,230,119 | 252,096 | 2,239,964 | 50 | 135 | 185 | 80 | 257 | 37 | 68. |
| 1,023,845 | 105,158 | 1,129,003 | 1,980,679 | 133,810 | 3,243,492 | 77 | 131 | 208 | 89 | 102 | 39 | 69. |
| 1,062,002 | 93,883 | 1,155,885 | 1,317,935 | 248,586 | 2,722,406 | 48 | 129 | 177 | 22 | 261 | 56 | 70. |
| 2,380,277 | 123,239 | 2,503,516 | 3,144,551 | 372,885 | 6,020,952 | 122 | 241 | 363 | 121 | 468 | 57 | 71. |
| 747,947 | 37,532 | 785,479 | 1,011,188 | 171,030 | 1,967,697 | 35 | 88 | 123 | 42 | 249 | 57 | 72. |
| | | | | | | | | | | | | |

** Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| LIBRARY CODE NO. | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Loaned | | | Borrowed | | |
| | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (Net) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT PERIODICALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 73.+ | 4,212,074 | 219,469 | 160,471 | 1,088,872 | 44,911 | 26,923 | 18,119 | 45,042 | 7,151 | 2,831 | 9,982 |
| 74.+ | 1,192,149 | 39,464 | 35,771 | 686,275 | 10,216 | 9,024 | 691 | 9,715 | 2,987 | 507 | 3,494 |
| 75.+ | 1,448,639 | 99,989 | 92,701 | 848,282 | 16,247 | 2,903 | 2,903 | 5,806 | 2,392 | 1,594 | 3,986 |
| 76. | 1,951,040 | 99,355 | 83,059 | 1,419,462 | 19,395 | 7,244 | 2,448 | 9,692 | 1,995 | 1,090 | 3,085 |
| 77.+ | 2,102,030 | 95,210 | 84,095 | 1,149,931 | 41,225 | 13,994 | 40,158 | 54,152 | 1,982 | 1,347 | 3,329 |
| 78. | 970,962 | 43,661 | 39,584 | 1,091,958 | 22,217 | 885 | 677 | 1,562 | 555 | 757 | 1,312 |
| 79.+ | 1,496,906 | 62,978 | 57,436 | 446,302 | 13,620 | 2,851 | 7,969 | 10,820 | 1,961 | 3,056 | 5,017 |
| 80.* | 1,5[illegible],954 | 78,651 | 69,418 | 371,052 | 15,492 | 2,432 | 16,239 | 18,671 | 554 | 1,861 | 2,415 |
| 81.+ | 2,784,733 | 116,047 | 101,122 | 907,618 | 44,307 | 25,581 | 43,349 | 68,930 | 7,699 | 300 | 7,999 |
| 82.+* | 6,350,824 | 190,750 | 175,656 | 871,235 | 60,069 | 13,200 | 7,750 | 20,950 | 2,400 | 390 | 2,790 |
| | | | | | | | | | | | |
| Totals | 167,701,426 | 7,451,340 | 6,620,938 | 61,517,192 | 2,143,440 | 485,617 | 1,023,285 | 1,717,142 | 179,925 | 136,108 | 362,931 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| High | 9,028,385 | 297,283 | 198,724 | 1,594,855 | 100,000 | 35,876 | 380,361 | 425,591 | 7,699 | 6,976 | 12,155 |
| Low | 805,489 | 32,132 | 28,753 | 216,667 | 7,631 | 220 | 339 | 220 | 530 | 173 | 530 |
| | | | | | | | | | | | |
| Medians: | | | | | | | | | | | |
| 73/74 | 1,553,192 | 78,671 | 71,525 | 733,755 | 19,343 | 3,640 | 5006 | 10,525 | 2,236 | 1,591 | 3,681 |
| 72/73 | 1,522,964 | 83,354 | 70,668 | 646,467 | 17,352 | N/A | N/A | N/A | N/A | N/A | N/A |
| 71/72 | 1,486,412 | 86,473 | 81,273 | 589,020 | 17,160 | N/A | N/A | N/A | N/A | N/A | N/A |
| 70/71 | 1,390,167 | 96,254 | 86,635 | 527,207 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 69/70 | 1,370,902 | 94,314 | 88,989 | 412,869 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 68/69 | 1,268,159 | 94,138 | 89,859 | 355,490 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | | | | | | | |

** Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

# ASSOCIATION OF RESEARCH LIBRARIES

## ACADEMIC LIBRARY STATISTICS

| EXPENDITURES | | | | | | PERSONNEL | | | | Ph.D.'s | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY MATERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF FTE | NON-PROF. STAFF FTE | TOTAL STAFF FTE | STUDENT ASSTS. FTE | Ph.D.'s AWARDED | Ph.D. FIELDS | LIBRARY NO. |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 2,582,541 | 254,344 | 2,836,885 | 7,585,432 | 793,797 | 11,216,114 | 258 | 613 | 871 | 31 | 329 | 47 | 73. |
| 524,495 | 43,693 | 568,188 | 1,019,932 | 102,245 | 1,690,365 | 39 | 72 | 111 | 22 | 101 | 27 | 74. |
| 862,254 | 61,159 | 923,413 | 1,263,882 | 411,218 | 2,598,513 | 45 | 86 | 131 | 61 | 252 | 57 | 75. |
| 1,798,324 | 157,449 | 1,955,773 | 2,220,378 | 323,706 | 4,499,857 | 72 | 178 | 250 | 52 | 177 | 43 | 76. |
| 1,259,130 | 209,745 | 1,468,875 | 3,840,586 | 179,600 | 5,489,061 | 118 | 239 | 357 | 116 | 381 | 60 | 77. |
| 819,173 | 53,165 | 872,338 | 1,234,889 | 219,059 | 2,326,286 | 45 | 85 | 130 | 26 | 156 | 31 | 78. |
| 862,473 | 84,894 | 947,367 | 1,467,567 | 414,674 | 2,829,608 | 47 | 131 | 178 | 32 | 104 | 26 | 79. |
| 1,016,965 | 84,564 | 1,101,529 | 2,155,983 | 555,882 | 3,813,394 | 68 | 114 | 182 | 72 | 145 | 43 | 80. |
| 1,796,953 | 150,831 | 1,947,784 | 3,111,706 | 400,008 | 5,459,498 | 103 | 218 | 321 | 66 | 814 | 102 | 81. |
| 2,319,152 | 181,090 | 2,500,242 | 4,913,670 | 1,628,070 | 9,041,982 | 185 | 400 | 585 | 50 | 346 | 41 | 82. |
| | | | | | | | | | | | | |
| 94,542,693 | 8,957,521 | 103,500,214 | 189,122,234 | 25,892,441 | 318,451,889 | 6,676 | 13,330 | 20,006 | 5,024 | 23,739 | 4,079 | Totals |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 2,582,541 | 307,218 | 2,836,885 | 7,585,432 | 1,628,070 | 11,216,114 | 258 | 613 | 871 | 217 | 814 | 116 | High |
| 436,710 | 30,212 | 467,502 | 677,109 | 40,129 | 1,302,201 | 28 | 31 | 80 | 12 | 22 | 9 | Low |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | Meds. |
| 1,062,002 | 89,744 | 1,172,990 | 1,865,171 | 236,399 | 3,243,492 | 65 | 132 | 191 | 50 | 231 | 44 | 73/74 |
| 884,253 | 85,348 | 1,080,048 | 1,701,413 | 204,405 | 3,026,243 | 63 | 136 | 193 | 47 | 238 | 47 | 72/73 |
| 906,642 | 88,751 | 998,178 | 1,596,398 | 185,720 | 2,855,735 | 65 | 131 | 196 | 49 | 254 | 43 | 71/72 |
| 932,172 | 83,000 | 1,026,270 | 1,496,365 | 178,812 | 2,776,105 | 65 | 129 | 194 | 49 | N/A | N/A | 70/71 |
| 910,010 | 80,536 | 996,008 | 1,454,922 | 170,872 | 2,698,072 | 70 | 130 | 196 | 48 | N/A | N/A | 69/70 |
| 770,165 | 74,122 | 850,667 | 1,268,039 | 157,785 | 2,293,112 | 69 | 118 | 184 | 49 | N/A | N/A | 68/69 |
| | | | | | | | | | | | | |

* *Bibliographic Count* *N.A. Not Available* *$ Fringe Benefits Included in Salaries and Wages* *+ See Footnotes*

ANALYSIS OF MICROFORM HOLDINGS

| Institution | Reels of Microfilm | Number of Microcards | Number of Micro-print Sheets | Number of Microfiches |
|---|---|---|---|---|
| Alabama | 48,176 | 51,436 | N/A | 243,063 |
| Alberta | 44,529 | 87,347 | 416,785 | 324,319 |
| Arizona | N/A | N/A | N/A | N/A |
| Arizona State | 32,188 | 115,517 | 149,440 | 303,589 |
| Boston | 23,155 | 27,297 | 349,838 | 188,206 |
| Brigham Young | 30,603 | 41,372 | 142,643 | 193,316 |
| British Columbia | 38,938 | 111,680 | 842,000 | 602,237 |
| Brown | 17,398 | 41,018 | 71,472 | 98,104 |
| California, Berkeley | 139,862 | 162,833 | 108,981 | 426,166 |
| California, Davis | 37,220 | 150,970 | 277,045 | 474,890 |
| California, L.A. | 77,125 | N/A | N/A | N/A |
| California, San Diego | 8,039 | 16,664 | N/A | 345,682 |
| California, Santa Barbara | 22,489 | 73,215 | 143,911 | 357,086 |
| Case Western Reserve | 16,932 | 70,340 | 0 | 129,405 |
| Chicago | 62,553 | 15,394 | 74,471 | 230,062 |
| Cincinnati | 24,672 | 12,084 | 125,066 | 338,318 |
| Colorado | 44,518 | 44,299 | 188,100 | 945,188 |
| Columbia | 97,961 | 177,533 | 339,057 | 598,155 |
| Connecticut | 34,041 | 29,330 | 389,278 | 265,770 |
| Cornell | 71,473 | 55,612 | 703,251 | 430,433 |
| Dartmouth | 33,317 | 42,492 | 144,468 | 198,534 |
| Duke | 32,137 | N/A | 209,427 | N/A |
| Florida | 77,002 | 209,168 | 149,209 | 306,033 |
| Florida State | 49,951 | 390,388 | 345,243 | 300,494 |
| Georgetown | 11,869 | 47,044 | 206,761 | 105,269 |
| Georgia | 72,678 | 113,036 | 385,062 | 322,530 |
| Harvard | 96,771 | 86,436 | 533,207 | 400,735 |
| Howard | 11,198 | 1,626 | N/A | 460,078 |
| Illinois | 112,039 | 132,510 | 427,162 | 413,445 |
| Indiana | 81,175 | 111,401 | 207,170 | 330,729 |
| Iowa | 54,317 | 74,055 | 129,286 | 538,208 |
| Iowa State | 17,234 | 5,075 | 142,835 | 412,124 |
| Johns Hopkins | 20,594 | N/A | N/A | 4,350 |
| Joint University | 17,769 | 96,920 | 224,910 | 338,655 |
| Kansas | 31,818 | 98,039 | 201,009 | 157,139 |
| Kent State | 38,062 | N/A | N/A | N/A |
| Kentucky | 68,225 | 252,539 | 307,163 | 558,021 |
| Louisiana State | 67,458 | N/A | N/A | N/A |
| McGill | 21,307 | N/A | N/A | N/A |
| Maryland | 40,804 | N/A | 819,618 | N/A |
| Massachusetts | 57,183 | 3,652 | 5,939 | 264,029 |
| MIT | 10,063 | N/A | N/A | 456,699 |
| Michigan | 91,977 | N/A | N/A | N/A |

ANALYSIS OF MICROFORM HOLDINGS

| Institution | Reels of Microfilm | Number of Microcards | Number of Micro-print Sheets | Number of Microfiches |
|---|---|---|---|---|
| Michigan State | 43,575 | 329,982 | 197,657 | N/A |
| Minnesota | 80,426 | 102,077 | 320,436 | 337,742 |
| Missouri | 91,740 | 187,530 | 629,000 | 538,450 |
| Nebraska | 17,544 | 40,006 | 158,299 | 145,121 |
| New York | 39,447 | 357,557 | 242,420 | 302,573 |
| North Carolina | 66,646 | N/A | N/A | N/A |
| Northwestern | 28,001 | 111,091 | 26,225 | 325,032 |
| Notre Dame | 56,948 | 182,063 | 11,223 | 109,630 |
| Ohio State | 49,389 | 57,613 | 340,354 | 480,379 |
| Oklahoma | N/A | N/A | N/A | N/A |
| Oklahoma State | 19,065 | 66,006 | 210,739 | 298,781 |
| Oregon | 32,586 | 79,497 | 239,997 | 119,201 |
| Pennsylvania | 46,432 | 125,823 | 426,115 | 368,917 |
| Pennsylvania State | 107,875 | N/A | 218,640 | N/A |
| Pittsburgh | 43,956 | 94,050 | 373,969 | 187,466 |
| Princeton | 56,599 | 180,717 | 301,782 | 299,409 |
| Purdue | 28,672 | 245,321 | 90,094 | 231,230 |
| Rice | 26,188 | 132,381 | 437,092 | 264,357 |
| Rochester | 22,353 | 171,292 | 600,281 | 345,457 |
| Rutgers | 61,482 | 80,087 | 357,825 | 397,983 |
| Southern California | 22,742 | 170,080 | 466,320 | 137,151 |
| Southern Illinois | N/A | N/A | N/A | N/A |
| Stanford | 76,681 | N/A | N/A | N/A |
| SUNY-Buffalo | 29,305 | 175,037 | 412,402 | 328,887 |
| Syracuse | 32,788 | 199,782 | 643,004 | 521,557 |
| Temple | 31,109 | 50,104 | 115,268 | 198,220 |
| Tennessee | 33,159 | N/A | N/A | N/A |
| Texas | 57,849 | 178,567 | 311,747 | 188,873 |
| Texas A & M | 20,221 | 96,000 | 196,668 | 343,215 |
| Toronto | 52,818 | 59,114 | 691,829 | 285,111 |
| Tulane | N/A | N/A | N/A | N/A |
| Utah | 31,374 | 224,704 | 239,401 | 352,803 |
| Virginia | 53,452 | 178,822 | 214,997 | 972,191 |
| Washington, Seattle | 53,888 | N/A | N/A | N/A |
| Washington State | 55,849 | 165,547 | 493,374 | 377,188 |
| Washington U., St. Louis | 30,110 | 165,270 | 230,008 | 446,302 |
| Wayne State | 30,608 | 55,346 | 37,596 | 247,502 |
| Wisconsin | 23,668 | 138,981 | 58,788 | 686,181 |
| Yale | 78,883 | 314,356 | 294,865 | 183,131 |

## SUMMARY OF RANK ORDER TABLES

The table below presents for each institution its rankings in each of the categories for which rank order tables are prepared. See pp. 16 - 25.

| | | | |
|---|---|---|---|
| Table 1, Volumes in Library | (1)* | Table 6, Nonprofessional Staff (FTE) | (19) |
| Table 2, Volumes Added (Gross) | (2) | Table 7, Total Staff (FTE) | (20) |
| Table 3, Total Microform Holdings | (4) | Table 8, Total Materials & Binding | (14) |
| Table 4, Current Periodicals | (5) | Table 9, Total Salaries & Wages | (15) |
| Table 5, Professional Staff (FTE) | (18) | Table 10, Total Operating Expenditures | (17) |

* Numbers in parentheses refer to column numbers of tables on pages 4 - 11.

| | TABLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Institution | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Alabama | 75 | 81 | 76 | 77 | 75 | 80 | 79 | | 79 | 79 |
| Alberta | 45 | 25 | 29 | 57 | 30 | 10 | 17 | 21 | 23 | 23 |
| Arizona | 40 | 52 | 43 | 52 | 51 | 56 | 56 | 34 | 59 | 55 |
| Arizona State | 78 | 69 | 50 | 76 | 67 | 40 | 49 | 61 | 61 | 64 |
| Boston | 71 | 50 | 54 | 44 | 39 | 48 | 44 | 56 | 48 | 53 |
| Brigham Young | 60 | 46 | 66 | 43 | 55 | 82 | 81 | N/A | N/A | N/A |
| British Columbia | 38 | 29 | 1 | 48 | 22 | 6 | 11 | 22 | 15 | 19 |
| Brown | 47 | 77 | 80 | 70 | 44 | 60 | 57 | 72 | 60 | 69 |
| Calif., Berkeley | 6 | 8 | 36 | 3 | 7 | 8 | 7 | 8 | 3 | 6 |
| Calif., Davis | 66 | 37 | 24 | [illegible] | 55 | 28 | 34 | 19 | 27 | 25 |
| Calif., Los Angeles | 14 | 18 | 12 | 7 | 9 | 12 | 9 | 11 | 4 | 4 |
| Calif., San Diego | 73 | 55 | 72 | 35 | 67 | 45 | 52 | 35 | 38 | 39 |
| Calif., Santa Barbara | 72 | 45 | 51 | 54 | 47 | 37 | 39 | 44 | 30 | 37 |
| Case Western Reserve | 41 | 79 | 81 | 74 | 42 | 72 | 64 | 75 | 62 | 71 |
| Chicago | 12 | 9 | 68 | 12 | 35 | 26 | 28 | 32 | 25 | 28 |
| Cincinnati | 43 | 58 | 58 | 63 | 71 | 54 | 60 | 63 | 56 | 60 |
| Colorado | 29 | 17 | 7 | 26 | 47 | 37 | 39 | 31 | 41 | 40 |
| Columbia | 4 | 16 | 8 | 5 | 12 | 7 | 8 | 25 | 9 | 12 |
| Connecticut | 55 | 40 | 44 | 31 | 51 | 74 | 65 | 27 | 50 | 43 |
| Cornell | 8 | 14 | 6 | 6 | 13 | 9 | 9 | 9 | 13 | 11 |
| Dartmouth | 67 | 78 | 65 | 55 | 78 | 65 | 72 | 67 | 78 | 73 |
| Duke | 19 | 32 | 79 | 21 | 29 | 32 | 33 | 38 | 37 | 38 |
| Florida | 35 | 43 | 39 | 40 | 30 | 40 | 35 | 30 | 36 | 35 |
| Florida State | 70 | 51 | 17 | 73 | 51 | 61 | 58 | 40 | 58 | 48 |
| Georgetown | 81 | 65 | 71 | 66 | 74 | 77 | 78 | 65 | 72 | 72 |
| Georgia | 52 | 24 | 28 | 27 | 34 | 29 | 31 | 18 | 44 | 31 |
| Harvard | 1 | 1 | 14 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Howard | 82 | 67 | 61 | 81 | 57 | 73 | 69 | 81 | 52 | 63 |
| Illinois | 3 | 6 | 18 | 2 | 3 | 11 | 5 | 5 | 10 | 7 |
| Indiana | 10 | 3 | 42 | 17 | 6 | 16 | 13 | 12 | 11 | 10 |
| Iowa | 28 | 49 | 38 | 32 | 35 | 57 | 53 | 46 | 42 | 44 |
| Iowa State | 76 | 53 | 56 | 64 | 66 | 59 | 61 | 51 | 55 | 57 |
| Johns Hopkins | 25 | 73 | 40 | 51 | 51 | 42 | 43 | 52 | 47 | 45 |
| Joint University | 57 | 64 | 47 | 82 | 58 | 63 | 63 | 69 | 75 | 62 |
| Kansas | 31 | 57 | 60 | 28 | 47 | 55 | 55 | 54 | 46 | 50 |

SUMMARY OF RANK ORDER TABLES (continued)

| Institution | TABLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Kent State | 74 | 39 | 69 | 49 | 79 | 71 | 75 | 80 | 71 | 76 |
| Kentucky | 54 | 54 | 9 | 18 | 39 | 52 | 48 | 50 | 51 | 49 |
| Louisiana State | 50 | 63 | 74 | 61 | 62 | 78 | 76 | 53 | 70 | 67 |
| McGill | 39 | 48 | 78 | 56 | 24 | 15 | 19 | 33 | 21 | 26 |
| Maryland | 36 | 13 | 31 | 33 | 16 | 20 | 20 | 10 | 17 | 15 |
| MIT | 44 | 44 | 63 | 50 | 47 | 32 | 37 | 68 | 49 | 61 |
| Massachusetts | 56 | 34 | 77 | 60 | 42 | 49 | 46 | 58 | 43 | 46 |
| Michigan | 5 | 11 | 20 | 9 | 8 | 5 | 4 | 17 | 7 | 9 |
| Michigan State | 23 | 21 | 57 | 24 | 35 | 50 | 42 | 29 | 34 | 34 |
| Minnesota | 13 | 12 | 34 | 23 | 5 | 23 | 14 | 16 | 8 | 8 |
| Missouri | 30 | 61 | 2 | 36 | 60 | 57 | 59 | 4 | 63 | 54 |
| Nebraska | 65 | 62 | 73 | 47 | 58 | 62 | 61 | 64 | 67 | 68 |
| New York | 20 | 36 | 23 | 65 | 27 | 14 | 18 | 36 | 14 | 20 |
| North Carolina | 24 | 35 | 21 | 30 | 27 | 32 | 31 | 37 | 32 | 36 |
| Northwestern | 21 | 41 | 59 | 25 | 21 | 35 | 30 | 26 | 28 | 27 |
| Notre Dame | 62 | 82 | 75 | 58 | 77 | 68 | 73 | 74 | 77 | 77 |
| Ohio State | 15 | 10 | 25 | 29 | 25 | 24 | 26 | 23 | 24 | 21 |
| Oklahoma | 58 | 72 | 49 | 78 | 72 | 70 | 73 | 73 | 76 | 75 |
| Oklahoma State | 68 | 80 | 52 | 75 | 81 | 81 | 82 | 79 | 81 | 81 |
| Oregon | 59 | 68 | 62 | 46 | 62 | 69 | 66 | 71 | 65 | 70 |
| Pennsylvania | 18 | 30 | 19 | 15 | 22 | 25 | 25 | 28 | 20 | 22 |
| Pennsylvania State | 32 | 22 | 5 | 20 | 17 | 4 | 5 | 13 | 16 | 14 |
| Pittsburgh | 27 | 15 | 45 | 39 | 11 | 35 | 24 | 39 | 26 | 30 |
| Princeton | 17 | 26 | 35 | 22 | 26 | 21 | 23 | 20 | 29 | 29 |
| Purdue | 69 | 74 | 53 | 45 | 72 | 31 | 41 | 49 | 53 | 58 |
| Rice | 80 | 75 | 32 | 80 | 82 | 79 | 80 | 77 | 80 | 80 |
| Rochester | 53 | 59 | 13 | 69 | 44 | 53 | 54 | 59 | 45 | 51 |
| Rutgers | 34 | 31 | 27 | 42 | 20 | 22 | 22 | 6 | 22 | 17 |
| Southern California | 37 | 66 | 37 | 19 | 33 | 47 | 38 | 55 | 39 | 42 |
| Southern Illinois | 33 | 20 | N/A | 38 | 44 | 76 | 69 | 47 | 54 | 52 |
| Stanford | 9 | 7 | 10 | 8 | 10 | 13 | 11 | 7 | 5 | 5 |
| SUNY-Buffalo | 49 | 23 | 22 | 68 | 18 | 30 | 27 | 48 | 31 | 33 |
| Syracuse | 46 | 38 | 4 | 53 | 60 | 39 | 45 | 70 | 69 | 66 |
| Temple | 64 | 47 | 67 | 72 | 32 | 43 | 36 | 43 | 38 | 41 |
| Tennessee | 63 | 60 | 55 | 37 | 64 | 46 | 51 | 42 | 64 | 56 |
| Texas | 11 | 4 | 41 | 14 | 14 | 16 | 14 | 3 | 18 | 13 |
| Texas A & M | 79 | 70 | 48 | 67 | 79 | 64 | 71 | 66 | 74 | 74 |
| Toronto | 7 | 2 | 16 | 10 | 1 | 1 | 1 | 1 | 1 | 1 |
| Tulane | 61 | 76 | 46 | 79 | 75 | 75 | 77 | 76 | 73 | 78 |
| Utah | 51 | 27 | 33 | 59 | 67 | 65 | 66 | 60 | 66 | 59 |
| Virginia | 26 | 28 | 3 | 41 | 35 | 27 | 29 | 14 | 33 | 24 |
| Washington, Seattle | 22 | 33 | 11 | 13 | 15 | 18 | 16 | 24 | 12 | 16 |
| Washington State | 77 | 71 | 15 | 34 | 67 | 67 | 68 | 62 | 68 | 65 |
| Washington, St. Louis | 48 | 56 | 64 | 71 | 65 | 43 | 49 | 57 | 57 | 47 |
| Wayne State | 42 | 42 | 70 | 62 | 39 | 51 | 46 | 45 | 35 | 32 |
| Wisconsin | 16 | 19 | 26 | 11 | 18 | 19 | 21 | 15 | 19 | 18 |
| Yale | 2 | 5 | 30 | 4 | 4 | 3 | 3 | 4 | 6 | 3 |

## RANK ORDER TABLE 1: VOLUMES IN LIBRARY

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 9,000,000-10,000,000
2- 8,000,000- 8,999,999
3- 7,000,000- 7,999,999
4- 6,000,000- 6,999,999
5- 5,000,000- 5,999,999
6- 4,000,000- 4,999,999
7- 3,000,000- 3,999,999
8- 2,000,000- 2,999,999
9- 1,000,000- 1,999,999
10- under 1,000,000

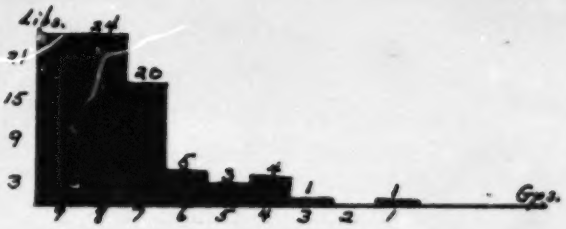
| Group | Rank | Institution | Volumes Held |
|---|---|---|---|
| 1 | 1 | Harvard | 9,028,385 |
| 2 | | None | |
| 3 | | None | |
| 4 | 2 | Yale | 6,350,824 |
| 5 | 3 | Illinois | 5,328,375 |
| 6 | 4 | Columbia | 4,572,676 |
| | 5 | Michigan | 4,548,527 |
| | 6 | Calif., Berkeley | 4,476,759 |
| | 7 | Toronto | 4,212,074 |
| | 8 | Cornell | 4,158,006 |
| 7 | 9 | Stanford | 3,982,009 |
| | 10 | Indiana | 3,665,076 |
| | 11 | Texas | 3,518,690 |
| | 12 | Chicago | 3,485,140 |
| | 13 | Minnesota | 3,479,139 |
| | 14 | Calif., Los Angeles | 3,395,178 |
| 8 | 15 | Ohio State | 2,911,839 |
| | 16 | Wisconsin | 2,784,733 |
| | 17 | Princeton | 2,615,317 |
| | 18 | Pennsylvania | 2,557,046 |
| | 19 | Duke | 2,530,124 |
| | 20 | New York University | 2,390,450 |
| | 21 | Northwestern | 2,349,369 |
| | 22 | Washington | 2,102,030 |
| | 23 | Michigan State | 2,082,617 |
| | 24 | North Carolina | 2,043,670 |
| | 25 | Johns Hopkins | 2,006,145 |
| 9 | 26 | Virginia | 1,951,040 |
| | 27 | Pittsburgh | 1,880,753 |
| | 28 | Iowa | 1,812,942 |
| | 29 | Colorado | 1,809,742 |
| | 30 | Missouri | 1,749,181 |
| | 31 | Kansas | 1,745,755 |
| | 32 | Pennsylvania State | 1,744,577 |
| | 33 | Southern Illinois | 1,740,853 |
| | 34 | Rutgers | 1,736,978 |
| | 35 | Florida | 1,705,480 |
| | 36 | Maryland | 1,647,931 |
| | 37 | Southern California | 1,619,002 |
| | 38 | British Columbia | 1,610,354 |

| Group | Rank | Institution | Volumes Held |
|---|---|---|---|
| 9 | 39 | McGill | 1,609,997 |
| | 40 | Arizona | 1,578,833 |
| | 41 | Case Western Reserve | 1,556,429 |
| | 42 | Wayne State | 1,549,954 |
| | 43 | Cincinnati | 1,531,982 |
| | 44 | MIT | 1,527,594 |
| | 45 | Alberta | 1,519,381 |
| | 46 | Syracuse | 1,505,056 |
| | 47 | Brown | 1,501,050 |
| | 48 | Washington, St. Louis | 1,496,806 |
| | 49 | SUNY-Buffalo | 1,482,907 |
| | 50 | Louisiana State | 1,482,486 |
| | 51 | Utah | 1,448,639 |
| | 52 | Georgia | 1,435,547 |
| | 53 | Rochester | 1,351,715 |
| | 54 | Kentucky | 1,344,358 |
| | 55 | Connecticut | 1,310,827 |
| | 56 | Massachusetts | 1,289,395 |
| | 57 | Joint University | 1,259,447 |
| | 58 | Oklahoma | 1,243,460 |
| | 59 | Oregon | 1,223,628 |
| | 60 | Brigham Young | 1,193,148 |
| | 61 | Tulane | 1,192,149 |
| | 62 | Notre Dame | 1,191,175 |
| | 63 | Tennessee | 1,173,886 |
| | 64 | Temple | 1,165,884 |
| | 65 | Nebraska | 1,160,271 |
| | 66 | Calif., Davis | 1,157,447 |
| | 67 | Dartmouth | 1,136,375 |
| | 68 | Oklahoma State | 1,121,660 |
| | 69 | Purdue | 1,085,100 |
| | 70 | Florida State | 1,083,736 |
| | 71 | Boston | 1,082,341 |
| | 72 | Calif., Santa Barbara | 1,076,816 |
| | 73 | Calif., San Diego | 1,040,831 |
| | 74 | Kent State | 1,024,234 |
| | 75 | Alabama | 1,013,459 |
| | 76 | Iowa State | 1,008,643 |
| 10 | 77 | Washington State | 970,962 |
| | 78 | Arizona State | 925,663 |
| | 79 | Texas A & M | 858,804 |
| | 80 | Rice | 840,792 |
| | 81 | Georgetown | 814,284 |
| | 82 | Howard | 805,489 |

## RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 270,000-300,000
2- 240,000-269,999
3- 210,000-239,999
4- 180,000-209,999
5- 150,000-179,999
6- 120,000-149,999
7- 90,000-119,999
8- 60,000- 89,999
9- 30,000- 59,999

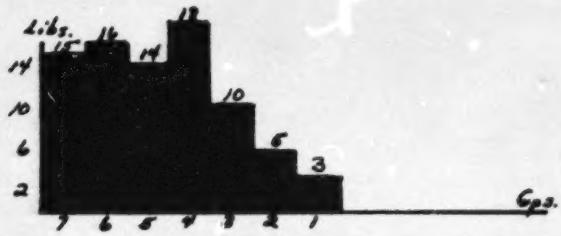


| Group | Rank | Institution | Volumes Added |
|---|---|---|---|
| 1 | 1 | Harvard | 297,283 |
| 2 | | None | |
| 3 | 2 | Toronto | 219,469 |
| 4 | 3 | Indiana | 206,910 |
| | 4 | Texas | 196,538 |
| | 5 | Yale | 190,750 |
| | 6 | Illinois | 181,399 |
| 5 | 7 | Stanford | 177,926 |
| | 8 | Calif., Berkeley | 174,820 |
| | 9 | Chicago | 166,813 |
| 6 | 10 | Ohio State | 141,953 |
| | 11 | Michigan | 139,669 |
| | 12 | Minnesota | 135,669 |
| | 13 | Maryland | 132,067 |
| | 14 | Cornell | 127,274 |
| 7 | 15 | Pittsburgh | 118,075 |
| | 16 | Columbia | 117,795 |
| | 17 | Colorado | 116,828 |
| | 18 | Calif., Los Angeles | 116,542 |
| | 19 | Wisconsin | 116,047 |
| | 20 | Southern Illinois | 111,923 |
| | 21 | Michigan State | 110,595 |
| | 22 | Pennsylvania State | 109,135 |
| | 23 | SUNY-Buffalo | 108,444 |
| | 24 | Georgia | 108,355 |
| | 25 | Alberta | 106,444 |
| | 26 | Princeton | 103,510 |
| | 27 | Utah | 99,989 |
| | 28 | Virginia | 99,355 |
| | 29 | British Columbia | 97,939 |
| | 30 | Pennsylvania | 97,014 |
| | 31 | Rutgers | 95,425 |
| | 32 | Duke | 95,236 |
| | 33 | Washington | 95,210 |
| | 34 | Massachusetts | 92,170 |
| 8 | 35 | North Carolina | 88,974 |
| | 36 | New York University | 85,470 |
| | 37 | Calif., Davis | 83,634 |
| | 38 | Syracuse | 83,525 |
| | 39 | Kent State | 80,770 |
| | 40 | Connecticut | 79,686 |
| 8 | 41 | Northwestern | 78,690 |
| | 42 | Wayne State | 78,651 |
| | 43 | Florida | 75,421 |
| | 44 | MIT | 75,384 |
| | 45 | Calif., Santa Barbara | 75,165 |
| | 46 | Brigham Young | 74,489 |
| | 47 | Temple | 74,330 |
| | 48 | McGill | 74,198 |
| | 49 | Iowa | 71,015 |
| | 50 | Boston | 70,985 |
| | 51 | Florida State | 70,875 |
| | 52 | Arizona | 69,367 |
| | 53 | Iowa State | 68,699 |
| | 54 | Kentucky | 68,392 |
| | 55 | Calif., San Diego | 67,310 |
| | 56 | Washington, St. Louis | 62,978 |
| | 57 | Kansas | 62,854 |
| | 58 | Cincinnati | 60,922 |
| 9 | 59 | Rochester | 59,073 |
| | 60 | Tennessee | 53,820 |
| | 61 | Missouri | 53,000 |
| | 62 | Nebraska | 52,413 |
| | 63 | Louisiana State | 52,328 |
| | 64 | Joint University | 51,632 |
| | 65 | Georgetown | 49,430 |
| | 66 | Southern California | 49,133 |
| | 67 | Howard | 47,072 |
| | 68 | Oregon | 46,926 |
| | 69 | Arizona State | 46,690 |
| | 70 | Texas A & M | 44,701 |
| | 71 | Washington State | 43,661 |
| | 72 | Oklahoma | 43,365 |
| | 73 | Johns Hopkins | 43,020 |
| | 74 | Purdue | 42,919 |
| | 75 | Rice | 40,082 |
| | 76 | Tulane | 39,464 |
| | 77 | Brown | 35,828 |
| | 78 | Dartmouth | 35,675 |
| | 79 | Case Western Reserve | 35,105 |
| | 80 | Oklahoma State | 34,409 |
| | 81 | Alabama | 33,107 |
| | 82 | Notre Dame | 32,132 |

## RANK ORDER TABLE 3: MICROFORM HOLDINGS

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 1,400,000-1,600,000
2- 1,200,000-1,399,999
3- 1,000,000-1,199,999
4- 800,000- 999,999
5- 600,000- 799,999
6- 400,000- 599,999
7- 200,000- 399,999




| Group | Rank | Institution | Microform |
|---|---|---|---|
| 1 | 1 | British Columbia | 1,594,855 |
| | 2 | Missouri | 1,446,720 |
| | 3 | Virginia | 1,419,462 |
| 2 | 4 | Syracuse | 1,397,151 |
| | 5 | Pennsylvania State | 1,385,196 |
| | 6 | Cornell | 1,260,769 |
| | 7 | Colorado | 1,222,105 |
| | 8 | Columbia | 1,212,706 |
| 3 | 9 | Kentucky | 1,185,948 |
| | 10 | Stanford | 1,184,226 |
| | 11 | Washington | 1,149,931 |
| | 12 | Calif., Los Angeles | 1,146,741 |
| | 13 | Rochester | 1,139,383 |
| | 14 | Harvard | 1,117,149 |
| | 15 | Washington State | 1,091,958 |
| | 16 | Toronto | 1,088,872 |
| | 17 | Florida State | 1,086,076 |
| | 18 | Illinois | 1,085,156 |
| 4 | 19 | Pennsylvania | 967,287 |
| | 20 | Michigan | 952,627 |
| | 21 | North Carolina | 949,922 |
| | 22 | SUNY-Buffalo | 945,631 |
| | 23 | New York University | 941,997 |
| | 24 | Calif., Davis | 940,125 |
| | 25 | Ohio State | 927,735 |
| | 26 | Wisconsin | 907,618 |
| | 27 | Rutgers | 897,377 |
| | 28 | Georgia | 893,306 |
| | 29 | Alberta | 872,980 |
| | 30 | Yale | 871,235 |
| | 31 | Maryland | 860,422 |
| | 32 | Rice | 860,018 |
| | 33 | Utah | 848,282 |
| | 34 | Minnesota | 840,681 |
| | 35 | Princeton | 838,507 |
| | 36 | Calif., Berkeley | 837,842 |
| 5 | 37 | Southern California | 796,293 |
| | 38 | Iowa | 795,866 |
| | 39 | Florida | 741,412 |
| | 40 | Johns Hopkins | 740,035 |
| | 41 | Texas | 737,036 |
| 5 | 42 | Indiana | 730,475 |
| | 43 | Arizona | 726,792 |
| | 44 | Connecticut | 718,419 |
| | 45 | Pittsburgh | 699,441 |
| | 46 | Tulane | 686,275 |
| | 47 | Joint University | 678,254 |
| | 48 | Texas A & M | 656,104 |
| | 49 | Oklahoma | 643,345 |
| | 50 | Arizona State | 600,734 |
| 6 | 51 | Calif., Santa Barbara | 596,701 |
| | 52 | Oklahoma State | 594,591 |
| | 53 | Purdue | 593,317 |
| | 54 | Boston | 588,496 |
| | 55 | Tennessee | 579,860 |
| | 56 | Iowa State | 577,268 |
| | 57 | Michigan State | 571,214 |
| | 58 | Cincinnati | 500,140 |
| | 59 | Northwestern | 490,349 |
| | 60 | Kansas | 488,005 |
| | 61 | Howard | 472,902 |
| | 62 | Oregon | 471,281 |
| | 63 | MIT | 466,762 |
| | 64 | Washington, St. Louis | 446,302 |
| | 65 | Dartmouth | 418,811 |
| | 66 | Brigham Young | 407,934 |
| 7 | 67 | Temple | 394,701 |
| | 68 | Chicago | 382,980 |
| | 69 | Kent State | 378,504 |
| | 70 | Wayne State | 371,052 |
| | 71 | Georgetown | 370,943 |
| | 72 | Calif., San Diego | 370,385 |
| | 73 | Nebraska | 360,970 |
| | 74 | Louisiana State | 360,171 |
| | 75 | Notre Dame | 359,864 |
| | 76 | Alabama | 342,675 |
| | 77 | Massachusetts | 330,803 |
| | 78 | McGill | 255,501 |
| | 79 | Duke | 241,564 |
| | 80 | Brown | 227,992 |
| | 81 | Case Western Reserve | 216,667 |

*Southern Illinois did not provide statistics for this category.

## RANK ORDER TABLE 4: CURRENT PERIODICALS

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 90,000 - 100,000
2- 80,000 - 89,999
3- 70,000 - 79,999
4- 60,000 - 69,999
5- 50,000 - 59,999
6- 40,000 - 49,999
7- 30,000 - 39,999
8- 20,000 - 29,999
9- 10,000 - 19,999
10- under 10,000

| Group | Rank | Institution | Periodicals |
|---|---|---|---|
| 1 | 1 | Harvard | 100,000 |
| | 2 | Illinois | 96,789 |
| | 3 | Calif., Berkeley | 96,000 |
| 2 | | None | |
| 3 | | None | |
| 4 | 4 | Yale | 60,069 |
| 5 | 5 | Columbia | 59,477 |
| | 6 | Cornell | 51,726 |
| 6 | 7 | Calif., Los Angeles | 49,944 |
| | 8 | Stanford | 49,031 |
| | 9 | Michigan | 46,236 |
| | 10 | Toronto | 44,911 |
| | 11 | Wisconsin | 44,307 |
| | 12 | Chicago | 41,751 |
| | 13 | Washington | 41,225 |
| | 14 | Texas | 40,800 |
| 7 | 15 | Pennsylvania | 39,565 |
| | 16 | Calif., Davis | 33,667 |
| | 17 | Indiana | 33,392 |
| | 18 | Kentucky | 33,023 |
| | 19 | Southern California | 32,728 |
| | 20 | Pennsylvania State | 31,460 |
| | 21 | Duke | 30,895 |
| | 22 | Princeton | 30,809 |
| 8 | 23 | Minnesota | 29,087 |
| | 24 | Michigan State | 27,774 |
| | 25 | Northwestern | 26,050 |
| | 26 | Colorado | 25,346 |
| | 27 | Georgia | 24,411 |
| | 28 | Kansas | 24,240 |
| | 29 | Ohio State | 24,237 |
| | 30 | North Carolina | 23,283 |
| | 31 | Connecticut | 22,921 |
| | 32 | Iowa | 22,800 |
| | 33 | Maryland | 22,236 |
| | 34 | Washington State | 22,217 |
| | 35 | Calif., San Diego | 22,202 |
| | 36 | Missouri | 21,600 |
| | 37 | Tennessee | 20,691 |
| | 38 | Southern Illinois | 20,306 |
| 8 | 39 | Pittsburgh | 20,221 |
| | 40 | Florida | 20,165 |
| 9 | 41 | Virginia | 19,395 |
| | 42 | Rutgers | 19,290 |
| | 43 | Brigham Young | 19,215 |
| | 44 | Boston | 19,166 |
| | 45 | Purdue | 18,886 |
| | 46 | Oregon | 18,874 |
| | 47 | Nebraska | 18,823 |
| | 48 | British Columbia | 18,668 |
| | 49 | Kent State | 18,650 |
| | 50 | MIT | 18,020 |
| | 51 | Johns Hopkins | 17,663 |
| | 52 | Arizona | 17,502 |
| | 53 | Syracuse | 17,499 |
| | 54 | Calif., Santa Barbara | 17,386 |
| | 55 | Dartmouth | 16,926 |
| | 56 | McGill | 16,775 |
| | 57 | Alberta | 16,634 |
| | 58 | Notre Dame | 16,615 |
| | 59 | Utah | 16,247 |
| | 60 | Massachusetts | 16,222 |
| | 61 | Louisiana State | 15,901 |
| | 62 | Wayne State | 15,492 |
| | 63 | Cincinnati | 15,120 |
| | 64 | Iowa State | 15,087 |
| | 65 | New York University | 14,774 |
| | 66 | Georgetown | 14,730 |
| | 67 | Texas A & M | 14,660 |
| | 68 | SUNY-Buffalo | 14,162 |
| | 69 | Rochester | 13,964 |
| | 70 | Brown | 13,800 |
| | 71 | Washington St. Louis | 13,620 |
| | 72 | Temple | 13,028 |
| | 73 | Florida State | 12,367 |
| | 74 | Case Western Reserve | 12,157 |
| | 75 | Oklahoma State | 11,757 |
| | 76 | Arizona State | 10,989 |
| | 77 | Alabama | 10,919 |
| | 78 | Oklahoma | 10,498 |
| | 79 | Tulane | 10,216 |
| 10 | 80 | Rice | 8,801 |
| | 81 | Howard | 7,719 |
| | 82 | Joint University | 7,631 |

## RANK ORDER TABLE 5: PROFESSIONAL STAFF (FTE)

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

| | | | |
|---|---|---|---|
| 1- | 250 - 274 | 6- | 125 - 149 |
| 2- | 225 - 249 | 7- | 100 - 124 |
| 3- | 200 - 224 | 8- | 75 - 99 |
| 4- | 175 - 199 | 9- | 50 - 74 |
| 5- | 150 - 174 | 10- | 25 - 49 |

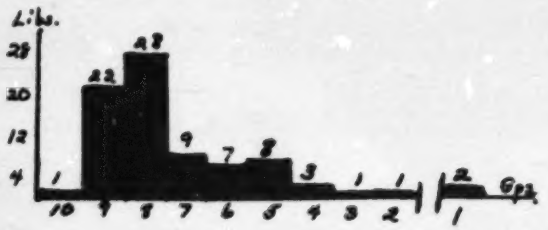
| Group | Rank | Institution | Staff |
|---|---|---|---|
| 1 | 1 | Toronto | 258 |
| 2 | | None | |
| 3 | 2 | Harvard | 218 |
| 4 | 3 | Illinois | 189 |
| | 4 | Yale | 185 |
| 5 | 5 | Minnesota | 168 |
| | 6 | Indiana | 167 |
| | 7 | Calif., Berkeley | 163 |
| | 8 | Michigan | 158 |
| | 9 | Calif., Los Angeles | 150 |
| 6 | 10 | Stanford | 146 |
| | 11 | Pittsburgh | 141 |
| | 12 | Columbia | 138 |
| | 13 | Cornell | 134 |
| 7 | 14 | Texas | 122 |
| | 15 | Washington | 118 |
| | 16 | Maryland | 116 |
| | 17 | Pennsylvania State | 110 |
| | 18 | SUNY-Buffalo | 103 |
| | 18 | Wisconsin | 103 |
| | 20 | Rutgers | 101 |
| | 21 | Northwestern | 100 |
| 8 | 22 | British Columbia | 98 |
| | 22 | Pennsylvania | 98 |
| | 24 | McGill | 93 |
| | 25 | Ohio State | 87 |
| | 26 | Princeton | 85 |
| | 27 | New York University | 83 |
| | 27 | North Carolina | 83 |
| | 29 | Duke | 82 |
| | 30 | Alberta | 80 |
| | 30 | Florida | 80 |
| | 32 | Temple | 77 |
| 9 | 33 | Southern California | 74 |
| | 34 | Georgia | 73 |
| | 35 | Chicago | 72 |
| | 35 | Iowa | 72 |
| | 35 | Michigan State | 72 |
| | 35 | Virginia | 72 |

| Group | Rank | Institution | Staff |
|---|---|---|---|
| 9 | 39 | Boston | 68 |
| | 39 | Kentucky | 68 |
| | 39 | Wayne State | 68 |
| | 42 | Case Western Reserve | 62 |
| | 42 | Massachusetts | 62 |
| | 44 | Brown | 60 |
| | 44 | Rochester | 60 |
| | 44 | Southern Illinois | 60 |
| | 47 | Calif., Santa Barbara | 59 |
| | 47 | Colorado | 59 |
| | 47 | Kansas | 59 |
| | 47 | MIT | 59 |
| | 51 | Arizona | 58 |
| | 51 | Connecticut | 58 |
| | 51 | Florida State | 58 |
| | 51 | Johns Hopkins | 58 |
| | 55 | Brigham Young | 56 |
| | 55 | Calif., Davis | 56 |
| | 57 | Howard | 53 |
| | 58 | Joint University | 52 |
| | 58 | Nebraska | 52 |
| | 60 | Missouri | 50 |
| | 60 | Syracuse | 50 |
| 10 | 62 | Louisiana State | 49 |
| | 62 | Oregon | 49 |
| | 64 | Tennessee | 48 |
| | 65 | Washington, St. Louis | 47 |
| | 66 | Iowa State | 46 |
| | 67 | Arizona State | 45 |
| | 67 | Calif., San Diego | 45 |
| | 67 | Utah | 45 |
| | 67 | Washington State | 45 |
| | 71 | Cincinnati | 42 |
| | 72 | Oklahoma | 41 |
| | 72 | Purdue | 41 |
| | 74 | Georgetown | 40 |
| | 75 | Alabama | 39 |
| | 75 | Tulane | 39 |
| | 77 | Notre Dame | 37 |
| | 78 | Dartmouth | 36 |
| | 79 | Kent State | 35 |
| | 79 | Texas A & M | 35 |
| | 81 | Oklahoma State | 30 |
| | 82 | Rice | 28 |

## RANK ORDER TABLE 6: NONPROFESSIONAL STAFF (FTE)

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

| | | | |
|---|---|---|---|
| 1- | over 450 | 6- | 200 - 249 |
| 2- | 400 - 449 | 7- | 150 - 199 |
| 3- | 350 - 399 | 8- | 100 - 149 |
| 4- | 300 - 349 | 9- | 50 - 99 |
| 5- | 250 - 299 | 10- | 0 - 49 |

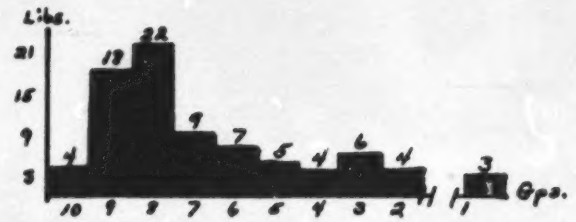



| Group | Rank | Institution | Staff |
|---|---|---|---|
| 1 | 1 | Toronto | 613 |
| | 2 | Harvard | 548 |
| 2 | 3 | Yale | 400 |
| 3 | 4 | Pennsylvania State | 350 |
| 4 | 5 | Michigan | 317 |
| | 6 | British Columbia | 314 |
| | 7 | Columbia | 304 |
| 5 | 8 | Calif., Berkeley | 287 |
| | 9 | Cornell | 283 |
| | 10 | Alberta | 274 |
| | 11 | Illinois | 271 |
| | 12 | Calif., Los Angeles | 267 |
| | 13 | Stanford | 266 |
| | 14 | New York University | 262 |
| | 15 | McGill | 250 |
| 6 | 16 | Indiana | 241 |
| | 16 | Texas | 241 |
| | 18 | Washington, Seattle | 239 |
| | 19 | Wisconsin | 218 |
| | 20 | Maryland | 214 |
| | 21 | Princeton | 209 |
| | 22 | Rutgers | 206 |
| 7 | 23 | Minnesota | 195 |
| | 24 | Ohio State | 189 |
| | 25 | Pennsylvania | 185 |
| | 26 | Chicago | 182 |
| | 27 | Virginia | 178 |
| | 28 | Calif., Davis | 159 |
| | 29 | Georgia | 157 |
| | 30 | SUNY-Buffalo | 155 |
| | 31 | Purdue | 151 |
| 8 | 32 | Duke | 147 |
| | 32 | MIT | 147 |
| | 32 | North Carolina | 147 |
| | 35 | Northwestern | 144 |
| | 35 | Pittsburgh | 144 |
| | 37 | Calif., Santa Barbara | 137 |
| | 37 | Colorado | 137 |
| | 39 | Syracuse | 135 |
| | 40 | Arizona State | 133 |
| | 40 | Florida | 133 |
| 8 | 42 | Johns Hopkins | 132 |
| | 43 | Temple | 131 |
| | 43 | Washington, St. Louis | 131 |
| | 45 | Calif., San Diego | 130 |
| | 46 | Tennessee | 129 |
| | 47 | Southern California | 126 |
| | 48 | Boston | 121 |
| | 49 | Massachusetts | 120 |
| | 50 | Michigan State | 119 |
| | 51 | Wayne State | 114 |
| | 52 | Kentucky | 113 |
| | 53 | Rochester | 110 |
| | 54 | Cincinnati | 108 |
| | 55 | Kansas | 107 |
| | 56 | Arizona | 105 |
| | 57 | Iowa | 102 |
| | 57 | Missouri | 102 |
| | 59 | Iowa State | 100 |
| 9 | 60 | Brown | 99 |
| | 61 | Florida State | 96 |
| | 62 | Nebraska | 94 |
| | 63 | Joint University | 90 |
| | 64 | Texas A & M | 88 |
| | 65 | Dartmouth | 86 |
| | 65 | Utah | 86 |
| | 67 | Washington State | 85 |
| | 68 | Notre Dame | 84 |
| | 69 | Oregon | 82 |
| | 70 | Oklahoma | 80 |
| | 71 | Kent State | 79 |
| | 72 | Case Western Reserve | 77 |
| | 73 | Howard | 76 |
| | 74 | Connecticut | 74 |
| | 75 | Tulane | 72 |
| | 76 | Southern Illinois | 69 |
| | 77 | Georgetown | 66 |
| | 78 | Louisiana State | 63 |
| | 79 | Rice | 60 |
| | 80 | Alabama | 59 |
| | 81 | Oklahoma State | 50 |
| 10 | 82 | Brigham Young | 31 |

## RANK ORDER TABLE 7: TOTAL STAFF (FTE)

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

| | | | |
|---|---|---|---|
| 1- | over 500 | 6- | 250 - 299 |
| 2- | 450 - 499 | 7- | 200 - 249 |
| 3- | 400 - 449 | 8- | 150 - 199 |
| 4- | 350 - 399 | 9- | 100 - 149 |
| 5- | 300 - 349 | 10- | 50 - 100 |



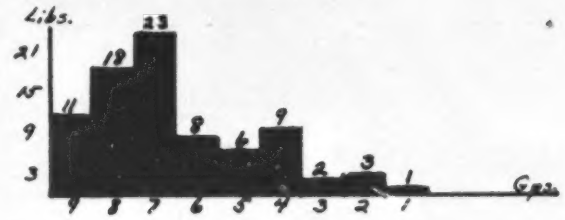

| Group | Rank | Institution | Staff |
|---|---|---|---|
| 1 | 1 | Toronto | 871 |
| | 2 | Harvard | 766 |
| | 3 | Yale | 585 |
| 2 | 4 | Michigan | 475 |
| | 5 | Illinois | 460 |
| | 5 | Pennsylvania State | 460 |
| | 7 | Calif., Berkeley | 450 |
| 3 | 8 | Columbia | 442 |
| | 9 | Calif., Los Angeles | 417 |
| | 9 | Cornell | 417 |
| | 11 | British Columbia | 412 |
| | 11 | Stanford | 412 |
| | 13 | Indiana | 408 |
| 4 | 14 | Minnesota | 363 |
| | 14 | Texas | 363 |
| | 16 | Washington | 357 |
| | 17 | Alberta | 354 |
| 5 | 18 | New York University | 345 |
| | 19 | McGill | 343 |
| | 20 | Maryland | 330 |
| | 21 | Wisconsin | 321 |
| | 22 | Rutgers | 307 |
| 6 | 23 | Princeton | 294 |
| | 24 | Pittsburgh | 285 |
| | 25 | Pennsylvania | 283 |
| | 26 | Ohio State | 276 |
| | 27 | SUNY-Buffalo | 258 |
| | 28 | Chicago | 254 |
| | 29 | Virginia | 250 |
| 7 | 30 | Northwestern | 244 |
| | 31 | Georgia | 230 |
| | 31 | North Carolina | 230 |
| | 33 | Duke | 229 |
| | 34 | Calif., Davis | 215 |
| | 35 | Florida | 213 |
| | 36 | Temple | 208 |
| | 37 | MIT | 206 |
| | 38 | Southern California | 200 |
| 8 | 39 | Calif., Santa Barbara | 196 |

| Group | Rank | Institution | Staff |
|---|---|---|---|
| 8 | 39 | Colorado | 196 |
| | 41 | Purdue | 192 |
| | 42 | Michigan State | 191 |
| | 43 | Johns Hopkins | 190 |
| | 44 | Boston | 189 |
| | 45 | Syracuse | 185 |
| | 46 | Massachusetts | 182 |
| | 46 | Wayne State | 182 |
| | 48 | Kentucky | 181 |
| | 49 | Arizona State | 178 |
| | 49 | Washington, St. Louis | 178 |
| | 51 | Tennessee | 177 |
| | 52 | Calif., San Diego | 175 |
| | 53 | Iowa | 174 |
| | 54 | Rochester | 170 |
| | 55 | Kansas | 166 |
| | 56 | Arizona | 163 |
| | 57 | Brown | 159 |
| | 58 | Florida State | 154 |
| | 59 | Missouri | 152 |
| | 60 | Cincinnati | 150 |
| 9 | 61 | Iowa State | 146 |
| | 61 | Nebraska | 146 |
| | 63 | Joint University | 142 |
| | 64 | Case Western Reserve | 139 |
| | 65 | Connecticut | 132 |
| | 66 | Oregon | 131 |
| | 66 | Utah | 131 |
| | 68 | Washington State | 130 |
| | 69 | Howard | 129 |
| | 69 | Southern Illinois | 129 |
| | 71 | Texas A & M | 123 |
| | 72 | Dartmouth | 122 |
| | 73 | Notre Dame | 121 |
| | 73 | Oklahoma | 121 |
| | 75 | Kent State | 114 |
| | 76 | Louisiana State | 112 |
| | 77 | Tulane | 111 |
| | 78 | Georgetown | 106 |
| 10 | 79 | Alabama | 98 |
| | 80 | Rice | 88 |
| | 81 | Brigham Young | 87 |
| | 82 | Oklahoma State | 80 |

## RANK ORDER TABLE 8: TOTAL EXPENDITURES FOR MATERIALS AND BINDING

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 2,800,000 - 3,099,999
2- 2,500,000 - 2,799,999
3- 2,200,000 - 2,499,999
4- 1,900,000 - 2,199,999
5- 1,600,000 - 1,899,999
6- 1,300,000 - 1,599,999
7- 1,000,000 - 1,299,999
8- 700,000 - 999,999
9- 400,000 - 699,999



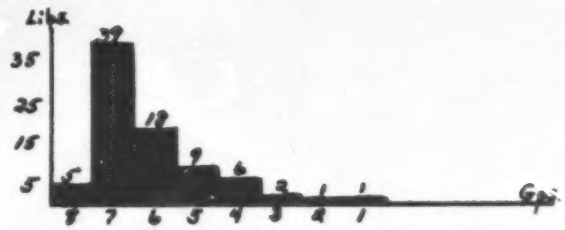

| Group | Rank | Institution | Expenditures |
|---|---|---|---|
| 1 | 1 | Toronto | 2,836,885 |
| 2 | 2 | Harvard | 2,770,020 |
| | 3 | Texas | 2,503,516 |
| | 4 | Yale | 2,500,242 |
| 3 | 5 | Illinois | 2,375,496 |
| | 6 | Rutgers | 2,273,420 |
| 4 | 7 | Stanford | 2,181,857 |
| | 8 | Calif., Berkeley | 2,180,472 |
| | 9 | Cornell | 2,117,528 |
| | 10 | Maryland | 2,099,513 |
| | 11 | Calif., Los Angeles | 2,058,983 |
| | 12 | Indiana | 2,045,371 |
| | 13 | Pennsylvania State | 2,018,424 |
| | 14 | Virginia | 1,955,773 |
| | 15 | Wisconsin | 1,947,784 |
| 5 | 16 | Minnesota | 1,823,453 |
| | 17 | Michigan | 1,786,574 |
| | 18 | Georgia | 1,776,840 |
| | 19 | Calif., Davis | 1,652,600 |
| | 20 | Princeton | 1,633,644 |
| 6 | 21 | Alberta | 1,523,200 |
| | 22 | British Columbia | 1,513,856 |
| | 23 | Ohio State | 1,468,988 |
| | 24 | Washington | 1,468,875 |
| | 25 | Columbia | 1,452,081 |
| | 26 | Northwestern | 1,427,743 |
| | 27 | Connecticut | 1,340,023 |
| | 28 | Pennsylvania | 1,328,228 |
| 7 | 29 | Michigan State | 1,272,209 |
| | 30 | Florida | 1,257,069 |
| | 31 | Colorado | 1,242,111 |
| | 32 | Chicago | 1,239,060 |
| | 33 | McGill | 1,224,891 |
| | 34 | Arizona | 1,210,350 |
| | 35 | Calif., San Diego | 1,206,514 |
| | 36 | New York University | 1,198,100 |
| | 37 | North Carolina | 1,193,784 |
| | 38 | Duke | 1,190,997 |
| | 39 | Pittsburgh | 1,181,683 |
| 7 | 40 | Florida State | 1,180,438 |
| | 41 | Missouri | 1,172,990 |
| | 42 | Tennessee | 1,155,885 |
| | 43 | Temple | 1,129,003 |
| | 44 | Calif., Santa Barbara | 1,107,130 |
| | 45 | Wayne State | 1,101,529 |
| | 46 | Iowa | 1,089,565 |
| | 47 | Southern Illinois | 1,050,439 |
| | 48 | SUNY-Buffalo | 1,043,557 |
| | 49 | Purdue | 1,037,649 |
| | 50 | Kentucky | 1,032,308 |
| | 51 | Iowa State | 1,010,379 |
| 8 | 52 | Johns Hopkins | 974,709 |
| | 53 | Louisiana State | 974,534 |
| | 54 | Kansas | 960,519 |
| | 55 | Southern California | 957,303 |
| | 56 | Boston | 947,563 |
| | 57 | Washington, St. Louis | 947,367 |
| | 58 | Massachusetts | 946,847 |
| | 59 | Rochester | 940,020 |
| | 60 | Utah | 923,413 |
| | 61 | Arizona State | 882,357 |
| | 62 | Washington State | 872,338 |
| | 63 | Cincinnati - | 844,104 |
| | 64 | Nebraska | 817,520 |
| | 65 | Georgetown | 795,059 |
| | 66 | Texas A & M | 785,479 |
| | 67 | Dartmouth | 777,169 |
| | 68 | MIT | 769,790 |
| | 69 | Joint University | 769,266 |
| | 70 | Syracuse | 757,749 |
| 9 | 71 | Oregon | 685,646 |
| | 72 | Brown | 655,366 |
| | 73 | Oklahoma | 637,902 |
| | 74 | Notre Dame | 579,506 |
| | 75 | Case Western Reserve | 579,461 |
| | 76 | Tulane | 568,188 |
| | 77 | Rice | 545,107 |
| | 78 | Alabama | 542,508 |
| | 79 | Oklahoma State | 513,425 |
| | 80 | Kent State | 493,468 |
| | 81 | Howard | 467,502 |

*Brigham Young figures not available.

## RANK ORDER TABLE 9: TOTAL SALARIES AND WAGES

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 7,000,000 - 8,000,000
2- 6,000,000 - 6,999,999
3- 5,000,000 - 5,999,999
4- 4,000,000 - 4,999,999
5- 3,000,000 - 3,999,999
6- 2,000,000 - 2,999,999
7- 1,000,000 - 1,999,999
8- under 1,000,000



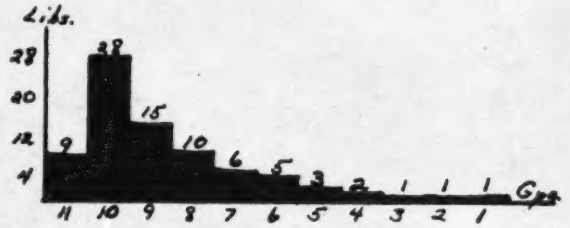

| Group | Rank | Institution | Salaries & Wages |
|---|---|---|---|
| 1 | 1 | Toronto | 7,585,432 |
| 2 | 2 | Harvard | 6,601,698 |
| 3 | 3 | Calif., Berkeley | 5,399,586 |
| | 4 | Calif., Los Angeles | 5,358,418 |
| 4 | 5 | Stanford | 4,960,434 |
| | 6 | Yale | 4,913,670 |
| | 7 | Michigan | 4,727,959 |
| | 8 | Minnesota | 4,458,496 |
| | 9 | Columbia | 4,410,485 |
| | 10 | Illinois | 4,268,133 |
| 5 | 11 | Indiana | 3,931,913 |
| | 12 | Washington | 3,840,586 |
| | 13 | Cornell | 3,810,476 |
| | 14 | New York University | 3,589,747 |
| | 15 | British Columbia | 3,522,626 |
| | 16 | Pennsylvania State | 3,377,897 |
| | 17 | Maryland | 3,200,275 |
| | 18 | Texas | 3,144,551 |
| | 19 | Wisconsin | 3,111,706 |
| 6 | 20 | Pennsylvania | 2,951,400 |
| | 21 | McGill | 2,948,816 |
| | 22 | Rutgers | 2,918,986 |
| | 23 | Alberta | 2,777,100 |
| | 24 | Ohio State | 2,717,652 |
| | 25 | Chicago | 2,680,457 |
| | 26 | Pittsburgh | 2,525,937 |
| | 27 | Calif., Davis | 2,480,852 |
| | 28 | Northwestern | 2,475,428 |
| | 29 | Princeton | 2,305,894 |
| | 30 | Calif., Santa Barbara | 2,277,775 |
| | 31 | SUNY-Buffalo | 2,260,639 |
| | 32 | North Carolina | 2,225,144 |
| | 33 | Virginia | 2,220,378 |
| | 34 | Michigan State | 2,176,310 |
| | 35 | Wayne State | 2,155,983 |
| | 36 | Florida | 2,085,120 |
| | 37 | Duke | 2,069,703 |
| 7 | 38 | Temple | 1,980,679 |
| 7 | 39 | Southern California | 1,951,110 |
| | 40 | Calif., San Diego | 1,936,059 |
| | 41 | Colorado | 1,865,171 |
| | 42 | Iowa | 1,857,309 |
| | 43 | Massachusetts | 1,805,070 |
| | 44 | Georgia | 1,772,635 |
| | 45 | Rochester | 1,617,999 |
| | 46 | Kansas | 1,598,010 |
| | 47 | Johns Hopkins | 1,597,530 |
| | 48 | Boston | 1,572,074 |
| | 49 | MIT | 1,567,861 |
| | 50 | Connecticut | 1,567,819 |
| | 51 | Kentucky | 1,554,385 |
| | 52 | Howard | 1,535,410 |
| | 53 | Purdue | 1,530,984 |
| | 54 | Southern Illinois | 1,530,421 |
| | 55 | Iowa State | 1,508,114 |
| | 56 | Cincinnati | 1,483,015 |
| | 57 | Washington, St. Louis | 1,467,567 |
| | 58 | Florida State | 1,416,869 |
| | 59 | Arizona | 1,414,863 |
| | 60 | Brown | 1,352,805 |
| | 61 | Arizona State | 1,349,860 |
| | 62 | Case Western Reserve | 1,338,017 |
| | 63 | Missouri | 1,335,390 |
| | 64 | Tennessee | 1,317,935 |
| | 65 | Oregon | 1,313,558 |
| | 66 | Utah | 1,263,882 |
| | 67 | Nebraska | 1,261,695 |
| | 68 | Washington State | 1,234,889 |
| | 69 | Syracuse | 1,230,119 |
| | 70 | Louisiana State | 1,163,092 |
| | 71 | Kent State | 1,091,514 |
| | 72 | Georgetown | 1,078,708 |
| | 73 | Tulane | 1,019,932 |
| | 74 | Texas A & M | 1,011,188 |
| | 75 | Joint University | 1,006,775 |
| | 76 | Oklahoma | 1,005,258 |
| 8 | 77 | Notre Dame | 976,604 |
| | 78 | Dartmouth | 975,045 |
| | 79 | Alabama | 834,404 |
| | 80 | Rice | 685,839 |
| | 81 | Oklahoma State | 677,109 |

*Brigham Young figures not available.

## RANK ORDER TABLE 10: TOTAL LIBRARY OPERATING EXPENDITURES

See explanatory note for rank order tables on p. 2. The ranges for the groups below are:

1- 11,000,000-12,000,000
2- 10,000,000-10,999,999
3- 9,000,000- 9,999,999
4- 8,000,000- 8,999,999
5- 7,000,000- 7,999,999
6- 6,000,000- 6,999,999
7- 5,000,000-5,999,999
8- 4,000,000-4,999,999
9- 3,000,000-3,999,999
10- 2,000,000-2,999,999
11- 1,000,000-1,999,999




| Group | Rank | Institution | Expenditure |
|---|---|---|---|
| 1 | 1 | Toronto | 11,216,114 |
| 2 | 2 | Harvard | 10,564,174 |
| 3 | 3 | Yale | 9,041,982 |
| 4 | 4 | Calif., Los Angeles | 8,255,441 |
| | 5 | Stanford | 8,048,076 |
| 5 | 6 | Calif., Berkeley | 7,973,177 |
| | 7 | Illinois | 7,164,751 |
| | 8 | Minnesota | 7,040,153 |
| 6 | 9 | Michigan | 6,973,671 |
| | 10 | Indiana | 6,532,038 |
| | 11 | Cornell | 6,500,242 |
| | 12 | Columbia | 6,192,548 |
| | 13 | Texas | 6,020,952 |
| 7 | 14 | Pennsylvania State | 5,754,713 |
| | 15 | Maryland | 5,735,508 |
| | 16 | Washington | 5,489,061 |
| | 17 | Rutgers | 5,481,203 |
| | 18 | Wisconsin | 5,459,498 |
| | 19 | British Columbia | 5,409,784 |
| 8 | 20 | New York University | 4,934,795 |
| | 21 | Ohio State | 4,868,848 |
| | 22 | Pennsylvania | 4,709,055 |
| | 23 | Alberta | 4,641,281 |
| | 24 | Virginia | 4,499,857 |
| | 25 | Calif., Davis | 4,361,533 |
| | 26 | McGill | 4,312,090 |
| | 27 | Northwestern | 4,288,401 |
| | 28 | Chicago | 4,233,064 |
| | 29 | Princeton | 4,185,408 |
| 9 | 30 | Pittsburgh | 3,990,661 |
| | 31 | Georgia | 3,866,989 |
| | 32 | Wayne State | 3,813,394 |
| | 33 | SUNY-Buffalo | 3,679,001 |
| | 34 | Michigan State | 3,670,484 |
| | 35 | Florida | 3,638,924 |
| | 36 | North Carolina | 3,625,605 |
| | 37 | Calif., Santa Barbara | 3,590,910 |
| | 38 | Duke | 3,468,000 |
| | 39 | Calif., San Diego | 3,417,014 |
| 9 | 40 | Colorado | 3,246,705 |
| | 41 | Temple | 3,243,492 |
| | 42 | Southern California | 3,160,075 |
| | 43 | Connecticut | 3,086,370 |
| | 44 | Iowa | 3,032,707 |
| 10 | 45 | Johns Hopkins | 2,927,372 |
| | 46 | Massachusetts | 2,911,370 |
| | 47 | Washington, St. Louis | 2,829,608 |
| | 48 | Florida State | 2,827,480 |
| | 49 | Kentucky | 2,821,735 |
| | 50 | Kansas | 2,821,693 |
| | 51 | Rochester | 2,782,456 |
| | 52 | Southern Illinois | 2,759,375 |
| | 53 | Boston | 2,756,036 |
| | 54 | Missouri | 2,736,470 |
| | 55 | Arizona | 2,727,507 |
| | 56 | Tennessee | 2,722,406 |
| | 57 | Iowa State | 2,681,433 |
| | 58 | Purdue | 2,667,616 |
| | 59 | Utah | 2,598,513 |
| | 60 | Cincinnati | 2,557,438 |
| | 61 | MIT | 2,533,774 |
| | 62 | Joint University | 2,399,128 |
| | 63 | Howard | 2,343,909 |
| | 64 | Arizona State | 2,326,803 |
| | 65 | Washington State | 2,326,286 |
| | 66 | Syracuse | 2,239,964 |
| | 67 | Louisiana State | 2,177,755 |
| | 68 | Nebraska | 2,175,381 |
| | 69 | Brown | 2,145,006 |
| | 70 | Oregon | 2,126,201 |
| | 71 | Case Western Reserve | 2,076,042 |
| | 72 | Georgetown | 2,024,366 |
| 11 | 73 | Dartmouth | 1,979,977 |
| | 74 | Texas A & M | 1,967,697 |
| | 75 | Oklahoma | 1,763,649 |
| | 76 | Kent State | 1,754,325 |
| | 77 | Notre Dame | 1,720,479 |
| | 78 | Tulane | 1,690,365 |
| | 79 | Alabama | 1,498,505 |
| | 80 | Rice | 1,333,819 |
| | 81 | Oklahoma State | 1,302,201 |

*Brigham Young figures not available.

INSTRUCTIONS FOR COMPLETION OF THE ACADEMIC LIBRARY STATISTICS

QUESTIONNAIRE FOR 1973-74

1. Definitions of the statistical categories used in this questionnaire can be found in Library Statistics: A Handbook of Concepts, Definitions and Terminology (Chicago: American Library Association, 1966).

2. Because of the number of questions raised regarding the counting of periodicals, we again called to your attention the definition of a periodical (item 6) recommended by the Committee on Statistics and approved by the membership:

   Periodicals: Publications constituting one issue in a continuous series under the same title published at regular or irregular intervals, over an indefinite period, individual issues in the series being numbered consecutively or each issue being dated. Newspapers as well as publications appearing annually or less frequently are included in the definition.

3. The number of FTE student assistants (item 15) should be determined on the basis of the length of the work week in the reporting library.

4. Those libraries whose reports include figures for branch campus libraries are asked to indicate this fact in a footnote.

5. Please note that only the number of Ph.D degrees awarded (item 22) are to be counted. Statistics on all other advanced degrees are not required for this survey.

6. With regard to fields in which Ph.Ds are awarded (item 23), reporting libraries should use as a standard the fields listed in the form used by the Department of Health, Education and Welfare in collecting statistics on higher education. The official title of the form is: "Higher Education General Information Survey, Degrees and Other Formal Awards Conferred." It is designated: E Form-2300-2.1. This form is also referred to as the "HEGIS Report."

7. All figures should be rounded off to the nearest whole number.

8. The reporting libraries are urged to note any circumstance that would clarify the figures submitted. The back of the questionnaire or an attached sheet may be used for explanatory footnotes, which will then be included with the published statistics.

9. After the questionnaire has been completed, please compare the statistics with those submitted last year. On occasion, an error will be detected because of an unusual difference between the figures submitted this year and those for the preceding year.

10. Please return one copy of the questionnaire to the ARL Office by October 1, 1974. If there are any questions about the procedure to be followed in completing this questionnaire, please contact the ARL Office.

## FOOTNOTES TO ARL ACADEMIC LIBRARY STATISTICS, 1973-1974

| | | |
|---|---|---|
| Boston | | Includes the Libraries of Law, the Medical Center, and Theology. |
| British Columbia | (1)* | 1972-73 figures corrected as result of physical inventory of collections. |
| | | Excludes 359,972 uncataloged government documents, and also 120,453 non-book items formerly included in the volume count. |
| Case Western Reserve | (1) | The volume count is physical and bibliographic and varies with the several units reporting. |
| Chicago | (1) | The volume count is physical and bibliographic. |
| | (1, 2, 3) | Include microforms. |
| | (7-8) | Figures for photocopies loaned are not available. |
| | (6-11) | Does not include transactions through Midwest Regional Medical Library for which data is not available. |
| Cincinnati | | Statistics include all branch campus libraries. |
| | (1) | Figures corrected from 1972-73. The volume count is physical and bibliographic and varies with the several units reporting. Estimated collection total of 170,000 for Medical Center Libraries in 1972-73 has been recounted and adjusted to 121,000. |
| | (6-11) | Figures not available from the Law Library. |
| Colorado | | Includes Boulder, Denver, Colorado Spring and Medical Center campuses. |
| | (1) | Figures corrected from 1972-73 report. |
| Columbia | (1) | Excludes 55,266 volumes awaiting processing which were reported in the 1972-73 report. |
| Connecticut | | Figures include professional schools and branch campus libraries. |
| | (4) | Error of 16,000 in previous count of microcards. |

*Numbers in parentheses indicate the columns in tables on pages 4-11 to which the footnotes refer.

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|---|---|---|
| Cornell | | Statistics for all libraries on the Cornell campus as well as the Geneva Experiment Station and the Medical College in New York City are included in this report. |
| Dartmouth | (15, 17) | Excludes fringe benefits of $142,601. |
| Duke | (4, 5) | Excludes figures for Law and Medical Center Libraries. |
| Florida State | (1) | Includes Law Library holdings. |
| Harvard | (16) | Excludes $1,446,056 reported building and maintenance charges and $869,532 reported fringe benefits. The total reported expenditures are $12,879,762. |
| Howard | | Figures include branch libraries. |
| | (1) | Figures corrected to include 7,525 volumes not previously reported. |
| Illinois | | Statistics include the Library of the Health Sciences at the Medical Center in Chicago and branches (Peoria, Rockford, Urbana). |
| | (5) | 84,764 unique titles. |
| | (6-11) | Medical Center Library figures are included only in totals columns; in 1973-74 Medical Center loaned a total of 9,354 items and borrowed 4,330 items. |
| Indiana | | The statistics are for the State University system, i.e. the Bloomington campus, the six Indianapolis campuses, and six regional campuses. |
| | (1) | Figures corrected from 1972-73. 70,000 reprints previously reported no longer included in report; excludes 171,723 music scores. |
| Johns Hopkins | | Includes for the first time statistics for the Applied Physics Laboratory. |
| | (1) | Figures reported by the Homewood libraries is based on the removal of 124,486 volumes from collections of gift, duplicate, and other materials previously included in the statistical count. 31,000 volumes in Applied Physics Laboratory reported here. |
| | (2-3) | Excludes documents in the Homewood libraries. |
| | (4) | No separate count of microfiche kept by Homewood libraries. |

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| Johns Hopkins cont'd | (6-11) | No separate count kept by Applied Physics Laboratory Library; combined originals/ photocopies figures of 1,500 loaned and 1,400 borrowed included in "total" figures only. |
| Kansas | | Includes Medical Center Libraries. |
| Kentucky | | Excludes community colleges. |
| Louisiana State | | Includes Law Library. |
| McGill | | Figures include the 20 official libraries in the McGill system. Departmental and affiliated collections are not included. |
| | (1) | Figures are for books and serials only. Excluded are government documents collections, pamphlets and special collections. Figure corrected as a result of physical inventory of collections. |
| Maryland | | College Park campus, Health Sciences and Law Libraries are included; Baltimore County and Eastern Shore campuses are excluded. |
| MIT | (5) | 17,811 unique titles. |
| Michigan | | Excludes Dearborn Campus Library. Also excludes Flint College Library; this library obtains library service through a contract with the Flint Board of Education, which operates the Mott Library that serves the Flint Junior College and Flint College of the University of Michigan. |
| | (1) | The number of volumes held June 30, 1973, was corrected to 4,443,752. |
| | (9, 10, 11) | Estimated figures; separate categories were not maintained in some libraries in 1973/74. |
| Minnesota | | Includes coordinate campus libraries at Crookston, Duluth, Morris, and Waseca. |
| | (8) | Includes statewide loans through MINITEX of 71,122 and industry and special loans of 13,879 and 12,258 respectively. |
| | (15) | Includes salaries for MINITEX, Photo-duplication Service, INFORM, Computer Search Service, Medline Service, and Document Delivery Service of $311,683. |

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| Minnesota cont'd | (16) | Includes operating expenses for MINITEX, Photoduplication Service, INFORM, Computer Search Service, MEDLINE Service, and Document Delivery Service of $295,183. |
| | (18-21) | Includes FTEs for MINITEX, Photoduplication Service, INFORM Computer Search Service, Medline Service, and Document Delivery Service: 9 professionals, 14 non-professionals, and 27 student assistants. |
| Nebraska | | Includes the City campus and East campuses in Lincoln; excludes the Medical Center in Omaha, and the University of Nebraska at Omaha. |
| | (16) | For the first time figures include $12,185 for library computer services. |
| New York University | (1) | Figure corrected from 1972-73 report. The volume count is physical and bibliographic and varies with the several units reporting. Includes collections of Law & Medical Libraries. |
| | (4) | Selected materials transferred to other institutions. |
| Northwestern | (1) | This new base has been arrived at by an inventory and physical count of the library's collections during the last three years. |
| | (23) | This figure did not include the Chicago Campus in 1972-73. |
| Notre Dame | | Includes Law Library. |
| | (1) | Figure corrected from 1972-73 report. |
| | (5) | Includes approximately 8,500 serials in the Law Library not reported previously. |
| Ohio State | | Includes five regional campus libraries. |
| Oklahoma | | Includes Law and Health Sciences Libraries. |
| | (5) | Figure corrected from 1972-73 report. |
| Oregon | | Includes all branches and Law Library; all libraries on Eugene campus |
| | (1) | Excludes 159,619 government documents. Figure corrected from 1972-73 report. |

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| Pennsylvania State | | Excludes Hershey Medical Center and Capitol Campus Graduate Center at Middletown, Pennsylvania. |
| Pittsburgh | | Includes four regional campuses. |
| | (1) | Figure corrected from 1972-73 report. |
| Princeton | (4) | Includes for the first time microforms in special collections not previously counted. |
| Purdue | (4) | Figure corrected from previous reports. |
| Rice | (1) | Includes 66,174 volumes not previously reported. |
| Rochester | | Includes Rush Rhees (main campus) Library, Sibley Music Library, and Edward G. Miner Medical Library. |
| Rutgers | | Includes eight major libraries, including two law schools, service to a non-Rutgers medical school, colleges and professional schools in Camden, Newark, and New Brunswick with an enrollment of 26,372 (FTE) undergraduates and 7,730 (FTE) graduate students, and 253 CMDNJ students of medicine. |
| | (1) | Revised by physical count as of June 1, 1974. Includes bound volumes. Does not include periodicals on microfilm nor government documents organized in a separate documents collection, nor audio-visual materials. |
| | (4) | Revised by physical count. |
| | (12) | Reflects state budgeted book funds, plus endowments and other special funds. Other library materials include films, phonodiscs, and other media. |
| | (18) | Librarians only. Includes archives staff, excludes computer staff. |
| | (21) | Excludes federally-funded work-study students. |
| Southern California | | Includes branches and affiliates. |
| Southern Illinois | (1) | Excludes 36,224 volumes in the Medical Library, Springfield previously reported. Law Library included. 13,725 volumes not previously reported are included. The volume count is physical and bibliographic and varies with the several units reporting. |
| | (1,2,3) | Includes microforms. |

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| Syracuse | (1) | 1972-73 volume count corrected to 1,467,156. |
| | (4) | 83,694 microfiche were transferred to Illinois. |
| Temple | (3) | Includes accumulation of 10,000 volumes withdrawn from Dental Library over many years. |
| | (6-11) | Interlibrary loan figures incomplete. |
| Texas | | Statistics for collections, personnel and expenditures include: The General Libraries, Law Library, LBJ School of Public Affairs Library and Special Collections. |
| | (6-11) | Statistics for interlibrary loans include only The General Libraries. |
| Toronto | | This survey includes 42 departmental, federated and affiliated libraries of related institutions. |
| | (5) | Figure for 1972-73 should have been 43,665. |
| | (15) | Total salaries and wages exclude an amount of $124,504 spent on binding salaries and wages. |
| Tulane | (1) | Corrected figure; excludes 7,592 volumes erroneously counted in 1972-73. |
| Utah | | Excludes Law and Medical Libraries |
| | (1) | Previously reported volume count revised to exclude Medical Library. |
| | (23) | Correction of number of Ph.D fields reported in 1972-73. |
| Washington, Seattle | | Statistics include Law and Pacific Northwestern Regional Health Sciences Libraries. |
| Washington, St. Louis | | All University Libraries are included in these statistics: Central, Departmental and School. |
| Wisconsin | (1) | Includes 29,070 music volumes not reported previously. |
| Yale | | Whereas in the past Yale has included Law Library statistics in the Collections section only, this year Law Library data are included in all sections. |
| | (6-11) | The breakdown between originals and photocopies in the Interlibrary Loan section are based on estimated percentages applied against accurate totals. All Yale library units keep totals for loaned and borrowed items, but only the main library reports detail on originals and photocopies. |